Index to volume 59

AUTHOR INDEX

A

ABEL, FRANCIS L. (*See* Waldhausen and Abel), 76

ADKINS, JOHN C. (*See* Haller et al.), 1128

ADKINS, R. BENTON, JR. (*See* Killen, Edwards, and Adkins), 534

AKERS, DAVID R. (*See* Rutherford and Akers), 618

AKUTSU, TETSUZO, TOPAZ, STEPHEN R., SEN-GUPTA, AMARENDRA, AND KOLFF, WILLEM J. A composite experimental artificial heart, 817

ALESTIG, K. (*See* Lagergren et al.), 494

ALLEN, GERALD D. (*See* Ward et al.), 527

ALMOND, CARL H. (*See* Mackenzie et al.), 944

AMIR-JAHED, A. K. Revascularization of lower extremities by reversal of blood flow with and without lumbar sympathectomy: an experimental study, 243

ARBONVILLE, G. (*See* Servelle and Arbonville), 216

AUST, J. B. (*See* McKneally et al.), 770

B

BAIRD, RONALD J., SIVASANKAR, RAMACHANDRAN, HAYWARD, ROBERT, AND WILSON, DONALD R. Popliteal aneurysms: a review and analysis of 61 cases, 911

BAKER, J. DENNIS, DEL BANCO, THOMAS L., PRICE, JOHN B., ROGERS, WILLIAM M., SALOMON, PETER F., AND MCALLISTER, FERDINAND F. Experimental study of murmurs in stenotic arteries, 88

BALLINGER, WALTER F. (*See* Camishion et al.), 1037

BALLINGER, WALTER F., II, MCLAUGHLIN, EDWARD D., AND BARANSKI, EDWARD J. Jejunal overlay closure of duodenum in the newborn: lateral duodenal tear caused by gastrostomy tube, 450

BARANSKI, EDWARD J. (*See* Ballinger, McLaughlin, and Baranski), 450

BARKER, CLYDE F., AND PESKIN, GERALD W. The effect of general and local intestinal hypothermia on the production and absorption of ammonia, 1092

—. (*See* Rosato et al.), 383

BARKER, WILEY F. (*See* Sachs and Barker), 373

BARNER, HENDRICK B. (*See* DeWeese et al.), 28

BARNETT, WILLIAM O. Vagotomy—total or selective? 503

BAUE, ARTHUR E. Prevention of experimental reflux esophagitis without an intrinsic esophageal sphincter, 264

BEALL, ARTHUR C., JR., MANI, PAUL, COOLEY, DENTON, A., AND DE BAKEY, MICHAEL E., with the technical assistance of SMITH, C. POLK. Renal hemodynamic effects of prosthetic replacement of cardiac valves, 353

BELIN, ROBERT P., STONE, NELSON H., FISCHER, RONALD P., AND SCOTT, WILLIAM R. Improved technique of panniculectomy, 222

BELL, J. W. (*See* Strandness and Bell), 514

BERGENTZ, SVEN-ERIK, AND LEWIS, DAVID H. Renal blood flow measurement with xenon-133 at the time of operation for renal artery stenosis, 1043

BERRY, WILLIAM B. (*See* McLaughlin et al.), 1031

BEVEN, EDWIN G. (*See* Homi et al.), 57

BHALERAO, R. A. (*See* Sen et al.), 774

BIGELOW, W. G. (*See* Trimble et al.), 857

BLODINGER, PAUL H. (*See* Goldenberg, Blodinger, and Grummon), 552

BOJS, G. (*See* Lagergren et al.), 494

BORST, H. G. (*See* Lagergren et al.), 305

BRADLEY, BRUCE E. (*See* Lawson et al.), 845

BRAUNWALD, NINA S., GAY, WILLIAM, AND TATOOLES, CONSTANTINE J. Evaluation of crosslinked gelatin as a tissue adhesive and hemostatic agent: an experimental study, 1024

—. (*See* Tatooles and Braunwald), 102

BRENNHOVD, IVAR OLAF. (*See* Foss et al.), 691

BREWSTER, WILLIAM R., JR. (*See* Hardaway, Brewster, and Elovitz), 804

BROCKMAN, STANLEY K., AND VASKO, JOHN S. The pathologic physiology of phlegmasia cerulea dolens, 997

BRÖGLI, H. (*See* Frick and Brögli), 721

BROMBERG, BERTRAM E. (*See* Song et al.), 576

BROWN, ROBERT B., AND OSBORNE, DAVID P. Kocher maneuver for palpation and exploration of the common duct, 654

January, pp. 1–182; February, pp. 183–352; March, pp. 353–504; April, pp. 505–662; May, pp. 663–910; June, pp. 911–1184.

BUCKLEY, MORTIMER J. (*See* McLaughlin et al.), 1031
BURROWES, CLEMENT B. (*See* Sawyer et al.), 1019
BYRON, RALPH L., JR., YONEMOTO, ROBERT H., AND LAGASSE, LEO D. The two-team approach for pelvic surgery, 703

C

CALDWELL, F. C. (*See* Cox), 994
CALI, JOSEPH R. (*See* Crampton et al.), 673
CAMERON, JOHN L., HENDRY, WILSON S., AND PULASKI, EDWIN J. Common duct anastomoses with a vascular stapler, 957
CAMISHION, RUDOLPH C., DAVIES, ALLEN L., TOKUNAGA, KOUICHI, AND SOLIT, ROBERT W. Retrograde perfusion of the coronary arteries with gaseous oxygen during cardiopulmonary bypass, 145
—, SOLIT, ROBERT W., IIDA, JUNZO, AND BALLINGER, WALTER F. The effect of mannitol on renal vascular resistance, 1037
CAMPBELL, GILBERT S. (*See* Smiley, Jaques, and Campbell), 529
CANBY, JOHN P. (*See* Fish, Smith, and Canby), 309
CANNON, JACK A. (*See* Riley, Cannon, and Hanafee), 6
CARTER, JOHN H. (*See* van der Heyde et al.), 1079
CASSON, PHILLIP. (*See* Higinbotham, Marcove, and Casson), 706
CHASE, JERRY. (*See* Pories et al.), 821
CHAVEZ, CARLOS M. A technique for experimental cannulation of the renal, testicular, and cardiac lymphatics, 421
CHENG, JOHN. (*See* Delaney et al.), 397
CHIU, CHU-JENG, AND SHAFTAN, GERALD W. Effect of THAM on urine flow in Arfonad-induced hypotension, 286
COBBIN, ODELL, RITCHIE, WALLACE P., JR., AND DELANEY, JOHN P. A practical consideration in the construction of gastric pouches, 1099
COHN, BERTRAM D. Cord dissector for orchiopexy: a new instrument, 1153
—. (*See* Schwartz and Cohn), 1124
COOLEY, DENTON A. (*See* Beall et al.), 353
—. (*See* Hallman, Cooley, and Singer), 133
COOPER, JOHN R. (*See* van der Heyde et al.), 1079
COPPOLA, EDWARD D., AND THOMAS, W. HUGH. Studies of plasma protein electrophoresis in canine renal homotransplantation, 782
CORNES, STELLA M. (*See* Melmed, Cornes, and Henley), 1120
COUCH, NATHAN P., WILSON, RICHARD E., HAGER, EDWARD B., AND MURRAY, JOSEPH E. Transplantation of cadaver kidneys: experience with 21 cases, 183
COX, KENNETH R., with the technical assistance of CALDWELL, F. C. A high controllable tourniquet, 994
CRAMPTON, RAY S., CALI, JOSEPH R., SHUTELLO, DONALD J., AND GLAUBITZ, JOHN P. Observations on the duration and results of local gastric hypothermia in the management of active hemorrhage, 673
CRANLEY, JOHN J. (*See* Krause et al.), 81
CRIGLER, JOHN F., JR. (*See* Gross, Randolph, and Crigler), 300
CRILE, GEORGE, JR. Thymectomy through the neck, 213
—. Treatment of thyroid cysts by aspiration, 210

D

DALE, W. ANDREW. Chronic iliofemoral venous occlusion including 7 cases of cross-over vein grafting, 117
DANIEL, ROLLIN A., JR. (*See* Holcomb and Daniel), 1112
DANIELSON, G. K. (*See* Rosato et al.), 383
DANZIGER, FRED. (*See* Ward et al.), 527
DAUGHERTY, HARRY K. (*See* Robicsek et al.), 431
DAVIES, ALLEN L. (*See* Camishion et al.), 145
DE BAKEY, MICHAEL E. (*See* Beall et al.), 353
DEFALCO, ALFRED J. (*See* Lawson et al.), 845
DEL AGUILA, RAMON PURON. (*See* Just-Viera, Del Aguila, and Yeager), 1008
DELANEY, JOHN P., GOODALE, ROBERT L., JR., CHENG, JOHN, AND WANGENSTEEN, OWEN H. The influence of vasopressin on upper gastrointestinal blood flow, 397
—. (*See* Cobbin, Ritchie, and Delaney), 1099
DEL BANCO, THOMAS L. (*See* Baker et al.), 88
DEMUTH, GEORGE R., AND SLOAN, HERBERT. Congenital lobar emphysema: long-term effects and sequelae in treated cases, 601
DEWEERD, JAMES H. (*See* Hallenbeck et al.), 522
DEWEESE, JAMES. (See Penn et al.), 426
—, TERRY, ROGER, BARNER, HENDRICK B., AND ROB, CHARLES G. Autogenous venous femoropopliteal bypass grafts, 28
DIGIORGI, F. (*See* Warner et al.), 750, 758
DOBERNECK, RAYMOND C., AND ENGLE, JAMES C. Quantitative evaluation of the gastric mucosa of normal subjects with various gastric disorders, 189
DUCKETT, JOHN W., JR. (*See* Zaroff et al.), 368

E

EDELMAN, STANLEY. (*See* Feldman et al.), 935
EDWARDS, ALLAN E. (*See* Hill, Edwards, and Ozeran), 955
EDWARDS, ROBERT H. (*See* Killen, Edwards, and Adkins), 534

EDWARDS, W. STERLING, MOHTASHEMI, MANUCHER, AND HOLDEFER, W. F., JR. Ascending aorta to right pulmonary artery shunt for infants with tetralogy of Fallot, 316
EFSKIND, JON. (*See* Foss et al.), 691
EISEMAN, B. (*See* Sharma and Eiseman), 66
EISEMAN, BEN. (*See* Moore and Eiseman), 765
ELDRUP-JORGENSEN, SV., SCHWARTZ, SEYMOUR I., AND WALLACE, JOHN D. A method for clinical evaluation of peripheral circulation: photoelectric hemodensitometry, 505
ELLIS, F. HENRY, JR., FRYE, ROBERT L., AND MCGOON, DWIGHT C. Results of reconstructive operations for mitral insufficiency due to ruptured chordae tendineae, 165
ELOVITZ, MAURICE J. (*See* Hardaway, Brewster, and Elovitz), 804
ENGLE, JAMES C. (*See* Doberneck and Engle), 189

F

FELDMAN, M. G. (*See* Warner et al.), 750, 758
FELDMAN, MORTON G., KOHAN, PERRY, EDELMAN, STANLEY, AND JACOBSON, JULIUS H., II. Lymphangiographic studies in obstructive lymphedema of the upper extremity, 935
FENN, SHANTI. (*See* Shepard, Fenn, and Sieber), 608
FERLIC, RANDOLPH M. (*See* Sellers et al.), 155
FISCHER, RONALD P. (*See* Belin et al.), 222
FISH, JAY, SMITH, EDGAR B., AND CANBY, JOHN P. Malignant melanoma in childhood, 309
FITZPATRICK, HUGH F. (*See* Nay and Fitzpatrick), 540
FLEMING, WILLIAM H. (*See* Gerst, Fleming, and Malm), 1050
FOGARTY, THOMAS J. (*See* Krause et al.), 81
FOKER, J. (*See* McKneally et al.), 770
FONKALSRUD, ERIC W. Initial esophageal dilatation in infants with benign esophageal stricture, 883
FOSS, OLAV PER, BRENNHOVD, IVAR OLAF, MESSELT, OLAF T., EFSKIND, JON, AND LIVERUD, KJELL. Invasion of tumor cells into the bloodstream caused by palpation or biopsy of the tumor, 691
FOSTER, JOHN H. (*See* Killen and Foster), 969
—. (*See* Killen, Rhea, and Foster), 572
—. (*See* O'Neill and Foster), 832
FRANCOIS, EGEL. (*See* Shaw and Francois), 455
FRICK, P. G., AND BRÖGLI, H. The mechanism of heparin rebound after extracorporeal circulation for open cardiac surgery, 721
FRIES, CHARLES C. (*See* Wesolowski et al.), 40
FRYE, ROBERT L. (*See* Ellis, Frye, and McGoon), 165
FUKUDA, AKIRA. (*See* McDonald and Akira), 1156

G

GAERTNER, ROBERT A. A new principle in the design of vascular clamps, 220
GALUCCI, VINCENZO. (*See* Robicsek et al.), 431
GAY, WILLIAM. (*See* Braunwald, Gay, and Tatooles), 1024
GERST, PAUL H., FLEMING, WILLIAM H., AND MALM, JAMES R. A quantitative evaluation of the effects of acidosis and alkalosis upon the ventricular fibrillation threshold, 1050
GERSTENBERG, E. (*See* Grünert et al.), 364
GERWIG, WALTER H., JR., ZIMMERMANN, BERNARD, AND ROBLES, NEOPITO L. Experimental determination of the thermal effects on blood vessels from high velocity missiles, 1065
GIBBON, JOHN H., JR. The artificial intracorporeal heart, 1
GIEBEL, O. (*See* Lagergren et al.), 494
GLASSMAN, JACOB A. A systematic plan for common duct exploration, 685
GLAUBITZ, JOHN P. (*See* Crampton et al.), 673
GLIEDMAN, MARVIN L. (*See* Mullane and Gliedman), 1135
GOLDENBERG, IRA S., BLODINGER, PAUL H., AND GRUMMON, ROBERT A. Some observations on thyroid-adrenocortical interrelationships, 552
GOLDMAN, B. S. (*See* Trimble et al.), 857
GOODALE, ROBERT L. (*See* Delaney et al.), 397
GOSWITZ, JOHN T., AND KIMMERLING, RICHARD. Perforated choledochal cyst with bile peritonitis in an infant: case report and surgical management, 878
GREEN, EDWARD. (*See* Lam, Webb, and Green), 872
GREEN, ROBERT L. (*See* Makin, Howard, and Green), 203
GREENBERG, S. DONALD. (See Hallman and Greenberg), 799
GRITSMAN, J. J. Mechanical suture by Soviet apparatus in gastric resection: use in 4,000 operations, 663
GROSS, ROBERT E., RANDOLPH, JUDSON, AND CRIGLER, JOHN F., JR. Clitorectomy for sexual abnormalities: indications and technique, 300
—. (*See* Putnam and Gross), 727
GRÖZINGER, KARL H. Pancreatitis: progress in management, 319
GRUMMON, ROBERT A. (*See* Goldenberg, Blodinger, and Grummon), 552
GRÜNERT, R. D., OEFF, K., GERSTENBERG, E., AND SCHMIDT, H. Diagnosis of isolated splenic vein occlusion by radioportography, 364

GUMBERT, JACK L., WAITT, PAUL M., AND TAYLOR, FREDERIC W. Gunshot wounds of the abdomen: evaluation of treatment, 376

H

HAFNER, CHARLES D. (*See* Krause et al.), 81
HAGER, EDWARD B. (*See* Couch et al.), 183
HALLENBECK, GEORGE A., SHORTER, ROY G., TITUS, JACK L., THOMFORD, NEIL R., JOHNSON, WILLIAM J., AND DEWEERD, JAMES H. Apparent glomerulonephritis in a homotransplant, 522
HALLER, J. ALEX, JR., ADKINS, JOHN C., WORTHINGTON, MICHAEL, AND RAUENHORST, JOHN. Experimental studies on permanent bypass of the right heart, 1128
HALLMAN, GRADY L., AND GREENBERG, S. DONALD. The excluded bronchus: a new experimental preparation, 799
—, COOLEY, DENTON A., AND SINGER, DON B. Congenital anomalies of the coronary arteries: anatomy, pathology, and surgical treatment, 133
HANAFEE, WM. (*See* Riley, Cannon, and Hanafee), 6
HANAFEE, WILLIAM N. (*See* Mulder et al.), 923
HANDA, JYOJI, YOSHIDA, KOUZO, AND MEYER, JOHN S. Hemodynamic effects of subclavian and innominate artery ligation, 1069
HARDAWAY, ROBERT M., BREWSTER, WILLIAM R., JR., AND ELOVITZ, MAURICE J. The influence of vasoconstriction and acidosis on disseminated intravascular coagulation, 804
HARMS, H. (*See* Lagergren et al.), 494
HARPER, ELIZABETH M. (*See* Karasewich et al.), 255
HAYWARD, ROBERT. (*See* Baird et al.), 911
HENDRY, WILSON S. (*See* Cameron, Hendry, and Pulaski), 957
HENLEY, F. A. (*See* Melmed, Cornes, and Henley), 1120
HERBSMAN, HORACE. (*See* Ryzoff, Shaftan, and Herbsman), 650
HERRINGTON, J. LYNWOOD, JR. Paul Fitzsimons Eve: scholar, teacher, patriot, soldier, and master surgeon of his time, 337
HERRMANN, JOHN B., AND WOODWARD, STEPHEN C. The effect of cyanoacrylate tissue adhesives upon granulation tissue formation in Ivalon sponge implants in the rat, 559
HIGINBOTHAM, NORMAN L., MARCOVE, RALPH C., AND CASSON, PHILLIP. Hemipelvectomy: a clinical study of 100 cases with five year follow-up on 60 patients, 706
HILL, RICHARD A., EDWARDS, ALLAN E., AND OZERAN, ROBERT S. An electronic monitor for lumbar sympathectomy, 955
HOLCOMB, GEORGE W., JR., AND DANIEL, ROLLIN A., JR. Unusual tracheoesophageal fistulas with membranous atresia of the middle or distal esophagus, 1112
HOLDEFER, W. F., JR. (*See* Edwards, Mohtashemi, and Holdefer), 316
HOLLAND, JAMES M. (*See* Lemmon, Holland, and Ketcham), 736
HOLLINGS, R. M. (*See* Hunt, Reeve, and Hollings), 812
HOMI, JOHN, HUMPHRIES, ALFRED W., YOUNG, JESS R., BEVEN, EDWIN G., AND SMART, JOHN F. Hypercarbic anesthesia in cerebrovascular surgery, 57
HOPPE, EVERETTE, T. (*See* Vernick and Hoppe), 278
HOWARD, JOHN M. (*See* MacLaren, Howard, and Serlin), 676
—. (*See* Makin, Howard, and Green), 203
—. (*See* Seddon and Howard), 226, 235
—. (*See* Singh and Howard), 837
HUBBARD, T. BRANNON, JR. A method of gastric hypothermia, 670
HUME, MICHAEL. Platelet adhesiveness and other coagulation factors in thrombophlebitis, 110
HUMPHREY, EDWARD W. Therapy of acute empyema, 661
HUMPHRIES, ALFRED W. (*See* Homi et al.), 57
HUNT, P. S., REEVE, T. S., AND HOLLINGS, R. M. A "standard" experimental thrombus. Observations on its production, pathology, response to heparin, and thrombectomy, 812
HYMES, ALAN C., NAUMOFF, NORMAN, AND THAL, ALAN P. A comparison between mannitol solutions and low molecular weight dextran as a perfusate in extracorporeal circulation, 414

I

IIDA, JUNZO. (*See* Camishion et al.), 1037

J

JACKSON, BENJAMIN T. (*See* Mannick and Jackson), 713
JACOBSON, JULIUS H., II. (*See* Feldman et al.), 935
—. (*See* Wang et al.), 94
JAQUES, WILLIAM E. (*See* Smiley, Jaques, and Campbell), 529
JASCALEVICH, MARIO E. The gastroenterostomy tube, a new versatile intubation device, 381

JAVID, HUSHANG. Can surgery prevent stroke? 1147
JOHANSSON, L. (*See* Laegergren et al.), 494
JOHNSON, WILLIAM J. (*See* Hallenbeck et al.), 522
JONES, BERNICE. (*See* Schumer, Lee, and Jones), 825
JONES, THEODORE. (*See* Neistadt, Jones, and Rob), 950
JORDAN, DAVID R. (*See* Pories et al.), 821
JUST-VIERA, JORGE O., DEL AGUILA, RAMON PURON, AND YEAGER, GEORGE H. Massive pulmonary embolism. VI. Prevention by partial occlusion of the inferior vena cava, 1008

K

KAPLITT, MARTIN J. (*See* Sobel et al.), 517
KARASEWICH, E. G., HARPER, ELIZABETH M., SHARP, N. C. C., AND SHIELDS, R. S. Survival of dogs treated with hyperbaric oxygen following hepatic artery ligation, 255
KAU, Q. Y. (*See* Shafiroff and Kau), 696
KELLY, W. D. (*See* McKneally et al.), 770
KETCHAM, ALFRED S. (*See* Lemmon, Holland, and Ketcham), 736
KIESEWETTER, WILLIAM B. Surgery on conjoined (Siamese) twins, 860
KILLEN, DUNCAN A. Effect of splenectomy on canine tolerance to nitrogen mustard, 853
—, AND FOSTER, JOHN H. Spinal cord injury as a complication of contrast angiography, 969
—, EDWARDS, ROBERT H., AND ADKINS, R. BENTON, JR. Relation of the arterial pressure in the permanently bypassed descending thoracic aorta to the occurrence of spinal cord injury in the dog, 534
—, RHEA, W. G., JR., AND FOSTER, JOHN H. Effect of prior intravenous fluid administration on the nephrotoxicity of Angio-CONRAY, 572
KILMAN, JAMES W. (*See* Siderys and Kilman), 282
KIMMERLING, RICHARD. (*See* Goswitz and Kimmerling), 878
KINARE, S. G. (*See* Sen et al.), 774
KLOPPER, P. J., AND MOE, R. E. Demonstration of the parathyroids during surgery in dogs, with preliminary report of results in some clinical cases, 1101
KOEHNLEIN, EDZARD. (*See* Song et al.), 576
KOHAN, PERRY. (*See* Feldman et al.), 935
KOLFF, WILLEM J. (*See* Akutsu et al.), 817
KOVATS, L. K. (*See* Trimble et al.), 857
KRAUSE, RAYMOND J., CRANLEY, JOHN J., STRASSER, EDWARD S., HAFNER, CHARLES D., AND FOGARTY, THOMAS J. Further experience with a new embolectomy catheter, 81
KUGELBERG, J. (*See* Lagergren et al.), 494

L

LAGASSE, LEO D. (*See* Byron, Yonemoto, and Lagasse), 703
LAGERGREN, H., JOHANSSON, L., SCHÜLLER, H., KUGELBERG, J., BOJS, G., ALESTIG, K., LINDER, E., BORST, H. G., SCHAUDIG, A., GIEBEL, O., HARMS, H., RODEWALD, G., AND SCHEPPOKAT, K. D. 305 Cases of permanent intravenous pacemaker treatment for Adams-Stokes syndrome, 494
LAM, CONRAD R., WEBB, DALE, AND GREEN, EDWARD. Primary liver tumor presenting as right atrial tumor: a case report, 872
LANG, STANLEY. (*See* Serkes, Lang, and Pareira), 566
LARY, BANNING G. Onlay vein graft for the correction of coronary artery obstruction, 547
—, AND SHERMAN, ROGER W. A method for creating a coronary-myocardial artery, 1061
LAWSON, DEXTER W., DEFALCO, ALFRED J., PHELPS, JERRY A., BRADLEY, BRUCE E., AND MCCLENATHAN, JAMES E. Corticosteroids as treatment for aspiration of gastric contents: an experimental study, 845
LEE, DOMINGO K. (*See* SCHUMER, LEE, AND JONES), 825
LEMMON, WILLIAM T., JR., HOLLAND, JAMES M., AND KETCHAM, ALFRED S. Rhabdomyosarcoma of the prostate, 736
LESKO, WILLIAM S. (*See* Wang et al.), 94
LEVY, EMMANUEL. (*See* Nissan and Levy), 1108
LEWIS, DAVID H., AND BERGENTZ, SVEN-ERIK. Renal blood flow measurement with xenon-133 at the time of operation for renal artery stenosis, 1043
LILLEHEI, C. WALTON. (*See* Sellers et al.), 155
LILLEHEI, R. C. (*See* McKneally et al.), 770
LINDENAUER, S. MARTIN, AND TANK, EDWARD S. Surgical aspects of Henoch-Schönlein's purpura, 982
LINDER, E. (*See* Lagergren et al.), 494
LIVERUD, KJELL. (*See* Foss et al.), 691
LONGMIRE, WILLIAM P., JR. The technique of pancreaticoduodenal resection, 344
LUCAS, CHARLES E., AND READ, RAYMOND C. Red cell crenation and the renal hemodynamic effect of mannitol, 408
LYTTON, BERNARD. Ureteral obstruction following aortofemoral bypass grafts, 918

M

McAllister, Ferdinand F. (*See* Baker et al.), 88

McClenathan, James E. (*See* Lawson et al.), 845

McDonald, John C. Benjamin Rush, 1745–1813, 465

—, and Fukuda, Akira. Rabbit renal homografts. I. Technique for grafts to the neck, 1156

McGoon, Dwight C. (*See* Ellis, Frye, and McGoon), 165

McGrath, Ruth G. (*See* Romsdahl et al.), 584

McGrew, Elizabeth A. (*See* Romsdahl et al.), 584

Mackenzie, A. Ranald. (*See* Miller et al.), 988

Mackenzie, James W., Schuder, John C., Rahmoeller, Glenn A., Almond, Carl H., and Stoeckle, Harry. Clinical use of the micromodule pacemaker receiver, 944

McKneally, M., Kelly, W. D., Shea, M., Foker, J., Lillehei, R. C., and Aust, J. B. Procurement of cadaver kidneys for transplantation, 770

MacLaren, Iain F., Howard, John M., and Serlin, Oscar. Achlorhydria associated with chronic disease of the exocrine pancreas, 676

McLaughlin, Edward D. (*See* Ballinger, McLaughlin, and Baranski), 450

McLaughlin, Joseph S., Buckley, Mortimer J., Berry, William B., and Morrow, Andrew G. Pulmonary vascular dynamics during acute hypoxia: modification by reserpine pretreatment or adrenalectomy, 1031

McMahon, James D. (*See* Wesolowski et al.), 40

MacMahon, Robert A. Hermaphroditism in infancy and childhood, 290

McPeak, Charles J. (*See* Serrano and McPeak), 199

Makin, G. S., Howard, John M., and Green, Robert L. Arterial injuries complicating fractures or dislocations: the necessity for a more aggressive approach, 203

Malm, James R. (*See* Gerst, Fleming, and Malm), 1050

Malmgren, Richard. (*See* Romsdahl et al.), 584

Mani, Paul. (*See* Beall et al.), 353

Mannick, John A., and Jackson, Benjamin T. Hemodynamics of arterial surgery in atherosclerotic limbs. I. Direct measurement of blood flow before and after vein grafts, 713

Marcove, Ralph C. (*See* Higinbotham, Marcove, and Casson), 706

Martinez, Alfred. (*See* Wesolowski et al.), 40

Marx, Fredrick W., Jr. Epigastric masses following steering wheel injuries, 962

Marx, Otto M. The practice of precepts: an episode of bedside teaching from the past, 469

Masuda, Masaki. (*See* Mori, Masuda, and Miyanaga), 359

Melmed, Edward P., Cornes, Stella M., and Henley, F. A. Strangulated Richter's hernia of the inguinal canal in a six-week-old infant, 1120

Messelt, Olaf T. (*See* Foss et al.), 691

Meyer, John S. (*See* Handa, Yoshida, and Meyer), 1069

Miller, Mitchell C. (*See* Veith, Murray, and Miller), 594

Miller, Theodore R., Mackenzie, A. Ranald, Randall, Henry T., and Tigner, Sterling P. Hemicorporectomy, 988

Mills, William, Jr. (*See* Zaroff et al.), 368

Miyagi, Shinji, Shoemaker, Charles P., Jr., and Powers, Samuel R., Jr. Carbon dioxide metabolism in the intact mammalian stomach, 1083

Miyanaga, Tadahiko. (*See* Mori, Masuda, and Miyanaga), 359

Moe, R. E., and Klopper, P. J. Demonstration of the parathyroids during surgery in dogs, with preliminary report of results in some clinical cases, 1101

Mohn, Melvin P. (*See* Song et al.), 576

Mohtashemi, Manucher. (*See* Edwards, Mohtashemi, and Holdefer), 316

Moncrief, John A. (*See* Zaroff et al.), 368

Moore, Thomas C., and Eiseman, Ben. Serotonin metabolism in the isolated perfused canine liver, 765

Moretz, W. H. (*See* Parrish, Sherman, and Moretz), 681

Morfit, H. Mason. Cancer of the thyroid, 894

Mori, Wataru, Masuda, Masaki, and Miyanaga, Tadahiko. Hepatic artery ligation and tumor necrosis in the liver, 359

Morrow, Andrew G. (*See* McLaughlin et al.), 1031

Mulder, Donald G., Plested, William G., III, Hanafee, William N., and Murray, John F. Hepatic circulatory and functional alterations following side-to-side portacaval shunt, 923

Mullane, John F., and Gliedman, Marvin L. Elevation of the pressure in the abdominal inferior vena cava as a cause of a hepatorenal syndrome in cirrhosis, 1135

Murphy, John J., and Schoenberg, Harry. The technique of ureteroileostomy, 903

Murray, John F. (*See* Mulder et al.), 923

Murray, Joseph E. (*See* Couch et al.), 183

—. (*See* Veith, Murray, and Miller), 594

N

NAUMOFF, NORMAN. (*See* Hymes, Naumoff, and Thal), 414

NAY, HOWARD R., AND FITZPATRICK, HUGH F. A study of various types of superior mesenteric vein–inferior vena cava shunts via composite vein grafts, 540

NEISTADT, ARNOLD, JONES, THEODORE, AND ROB, CHARLES. Vascular system involvement by idiopathic retroperitoneal fibrosis, 950

NISSAN, SHEMUEL, AND LEVY, EMMANUEL. Intussusception in infancy caused by hypertrophic Peyer's patches, 1108

O

OEFF, K. (*See* Grünert et al.), 364

O'NEILL, JAMES A., JR., AND FOSTER, JOHN H. Practical and physiologic studies related to venous grafting, 832

OSBORNE, DAVID P. (*See* Brown and Osborne), 654

OZERAN, ROBERT S. (*See* Hill, Edwards, and Ozeran), 955

P

PAREIRA, MORTON D. (*See* Serkes, Lang, and Pareira), 566

PARKINSON, GEORGE. (*See* Pories et al.), 821

PARNES, I. H. (*See* Warner et al.), 750, 758

PARRISH, R. A., JR., SHERMAN, H. S., AND MORETZ, W. H. Congenital antral membrane, 681

PARULKAR, G. P. (*See* Sen et al.), 774

PELTIER, LEONARD F. John Jones: an extraordinary American, 631

PENN, ISRAEL, SCHENK, ERIC, ROB, CHARLES, DEWEESE, JAMES, AND SCHWARTZ, SEYMOUR I. Effect of arterial stenosis on the distribution of induced atheroarteriosclerosis, 426

PERRY, M. O., AND WYLIE, E. J. Renal capsulotomy and renal failure: an experimental evaluation, 401

PESKIN, GERALD W. (*See* Barker and Peskin), 1092

PHELPS, JERRY A. (*See* Lawson et al.), 845

PLESTED, WILLIAM G., III. (*See* Mulder et al.), 923

POLITOWSKI, M., AND ŻELAZNY, T. Complications and difficulties in electrocoagulation of varices of the lower extremities, 932

PORIES, WALTER J., SCHEAR, EVAN W., JORDAN, DAVID R., CHASE, JERRY, PARKINSON, GEORGE, WHITTAKER, ROBERT, STRAIN, WILLIAM H., AND ROB, CHARLES. The measurement of human wound healing, 821

POWERS, SAMUEL R., JR. (*See* Miyagi, Shoemaker, and Powers), 1083

PRICE, JOHN B. (*See* Baker et al.), 88

PULASKI, EDWIN J. (*See* Cameron, Hendry, and Pulaski, 957

PUTNAM, THOMAS C., AND GROSS, ROBERT E. Surgical management of aortopulmonary fenestration, 727

Q

QUINBY, WILLIAM C., JR. Complete pyloromyotomy without duodenal perforation, 627

R

RAHMOELLER, GLENN A. (*See* Mackenzie et al.), 944

RANDALL, HENRY P. (*See* Miller et al.), 988

RANDOLPH, JUDSON. (*See* Gross, Randolph, and Crigler), 300

RAPPAPORT, A. M., VRANIĆ, M., AND WRENSHALL, G. A. A pedunculated subcutaneous autotransplant of an isolated pancreas remnant, for the temporary deprivation of internal pancreatic secretion in the dog, 792

RAUENHORST, JOHN. (*See* Haller et al.), 1128

RAVITCH, MARK M. Atypical deformities of the chest wall—absence and deformities of the ribs and costal cartilages, 438

—, AND RIVAROLA, ALEJANDRO. Enteroanastomosis with an automatic instrument, 270

READ, RAYMOND C. (*See* Lucas and Read), 408

—, AND THAL, ALAN P. Surgical experience with symptomatic myxomatous valvular transformation (the floppy valve syndrome), 173

REEVE, T. S. (*See* Hunt, Reeve, and Hollings), 812

REICH, THEOBALD. (*See* Wang et al.), 94

REINGOLD, MARVIN. (*See* Sobel et al.), 517

RHEA, W. G., JR. (*See* Killen, Rhea, and Foster), 572

RILEY, JOHN M., CANNON, JACK A., AND HANAFEE, WM. Total large vessel angiography in the selection of patients for direct arterial surgery, 6

RITCHIE, WALLACE P., JR. (*See* Cobbin, Ritchie, and Delaney), 1099

RIVAROLA, ALEJANDRO. (*See* Ravitch and Rivarola), 270

ROB, CHARLES. (*See* DeWeese et al.), 28

—. (*See* Neistadt, Jones, and Rob), 950

—. (*See* Penn et al.), 426

—. (*See* Pories et al.), 821

ROBERTS, B. (*See* Rosato et al.), 383

ROBICSEK, FRANCIS, SANGER, PAUL W., GALUCCI, VINCENZO, AND DAUGHERTY, HARRY K. Long-term circulatory exclusion of the right heart, 431

ROBLES, NEOPITO L. (*See* Gerwig, Zimmermann, and Robles), 1065

RODEWALD, G. (*See* Lagergren et al.), 494

ROEDLING, HERBERT. (*See* Samuels and Roedling), 741

ROGERS, WILLIAM M. (*See* Baker et al.), 88

ROMSDAHL, MARVIN M., MALMGREN, RICHARD A., VALAITIS, JONAS, MCGRATH, RUTH G., AND MCGREW, ELIZABETH A. The "response" of tumor cells and hematopoietic elements of the blood to cancer chemotherapy, 584

ROSATO, F. E., BARKER, C. F., ROBERTS, B., AND DANIELSON, G. K. Subcutaneous fasciotomy—description of a new technique and instrument, 383

RUTHERFORD, ROBERT B., AND AKERS, DAVID R. Meckel's diverticulum: a review of 148 pediatric patients, with special reference to the pattern of bleeding and to mesodiverticular vascular bands, 618

RYZOFF, RONALD I., SHAFTAN, GERALD W., AND HERBSMAN, HORACE. Selective conservatism in penetrating abdominal trauma, 650

S

SACHS, DAVID, AND BARKER, WILEY F. Immediate postoperative management of the ileostomy, 373

SAKO, Y. Arteriosclerotic occlusion of the midabdominal aorta, 709

SALOMON, PETER F. (*See* Baker et al.), 88

SAMUELS, PETER B., AND ROEDLING, HERBERT. Technique of closure of skin incisions with a clip of new design, 741

SAMSI, A. B. (*See* Sen et al.), 774

SANGER, PAUL W. (*See* Robicsek et al.), 431

SAWYER, PHILIP N. (*See* Sobel et al.), 517

—, ZUFI, DAVID, WESOLOWSKI, SIGMUND A., AND BURROWES, CLEMENT B. Electrical surface charge as a factor in maintenance of patency of endarterectomized aorta, 1019

SCHAUDIG, A. (*See* Lagergren et al.), 494

SCHEAR, EVAN W. (*See* Pories et al.), 821

SCHENK, ERIC. (*See* Penn et al.), 426

SCHEPPOKAT, K. D. (*See* Lagergren et al.), 494

SCHMIDT, H. (*See* Grünert et al.), 364

SCHOENBERG, HARRY W., AND YOUNG, DAVID G. The effect of Urecholine upon electrical stimulation of the bladder, 842

—. (*See* Murphy and Schoenberg), 903

SCHUDER, JOHN C. (*See* Mackenzie et al.), 944

SCHÜLLER, H. (*See* Lagergren et al.), 494

SCHUMER, WILLIAM, LEE, DOMINGO K., AND JONES, BERNICE. The metabolic effects of vasodilators on low flow states in the dog, 825

SCHWARTZ, OSCAR, AND COHN, BERTRAM D. Rupture of the normal spleen in the newborn, with survival, 1124

SCHWARTZ, SEYMOUR I. (*See* Eldrup-Jorgensen, Schwartz, and Wallace), 505

—. (*See* Penn et al.), 426

SCOTT, WILLIAM R. (*See* Belin et al.), 222

SEDDON, JOHN A., AND HOWARD, JOHN M. The endocrine function of the homotransplanted pancreas, 235

—, AND —. The exocrine behavior of the homotransplanted pancreas, 226

SELLERS, ROBERT D., FERLIC, RANDOLPH M., STERNS, LAURENCE P., AND LILLEHEI, C. WALTON. Secundum type atrial septal defects: early and late results of surgical repair using extracorporeal circulation in 275 patients, 155

SEN, P. K., BHALERAO, R. A., PARULKAR, G. P., SAMSI, A. B., SHAH, B. K., AND KINARE, S. G. Use of isolated perfused cadaveric liver in the management of hepatic failure, 774

SENGUPTA, AMARENDRA. (*See* Akutsu et al.), 817

SENNING, ÅKE. Surgical correction of transposition of the great vessels, 334

SERKES, KENNETH D., LANG, STANLEY, AND PAREIRA, MORTON D. Enhanced protection with the use of gamma globulin proteins in the treatment of tourniquet shock with plasma expanders, 566

SERLIN, OSCAR. (*See* MacLaren, Howard, and Serlin), 676

SERRANO, JOSE F., AND MCPEAK, CHARLES J. Primary neoplasms of the duodenum, 199

SERVELLE, M., AND ARBONVILLE, G. A ball valve prosthesis with a metallic ball, 216

SHAFIROFF, BENJAMIN G. P., AND KAU, Q. Y. Lipodystrophy of adipose areolar tissue in the retroperitoneal space, 696

SHAFTAN, GERALD W. (*See* Chiu and Shaftan), 286

—. (*See* Ryzoff, Shaftan, and Herbsman), 650

SHAH, B. K. (*See* Sen et al.), 774

SHARMA, G. P., AND EISEMAN, B. Protective effect of ATP in experimental hemorrhagic shock, 66

SHARP, N. C. C. (*See* Karasewich et al.), 255

SHAW, ANTHONY, AND FRANCOIS, EGEL. An unusual case of postoperative intussusception, 455

SHEA, M. (*See* McKneally et al.), 770

SHEPARD, RICHARD, FENN, SHANTI, AND SIEBER, WILLIAM K. Evaluation of esophageal function in postoperative esophageal atresia and tracheoesophageal fistula, 608

SHERMAN, H. S. (*See* Parrish, Sherman, and Moretz), 681

SHERMAN, ROGER W. (*See* Lary and Sherman), 1061

SHIELDS, R. S. (*See* Karasewich et al.), 255

SHINGLETON, WILLIAM W., AND WOODS, LEON P. Malabsorption syndromes, 886

SHOEMAKER, CHARLES P., JR. (*See* Miyagi, Shoemaker, and Powers), 1083
SHORTER, ROY G. (*See* Hallenbeck et al.), 522
SHOUL, MELVIN I. Office skin grafting with a safety razor blade dermatome, 744
SHUTELLO, DONALD J. (*See* Crampton et al.), 673
SIDERYS, HARRY, AND KILMAN, JAMES W. The effects of acute occlusion of the renal vein in dogs, 282
SIEBER, WILLIAM K. (*See* Shepard, Fenn, and Sieber), 608
SINGER, DON B. (*See* Hallman, Cooley, and Singer), 133
SINGH, LOKENDRA M., AND HOWARD, JOHN M. Serum kallikreinogen levels in postoperative patients and in patients with pancreatitis, 837
SIVASANKAR, RAMACHANDRAN. (*See* Baird et al.), 911
SLOAN, HERBERT. (*See* DeMuth and Sloan), 601
SMART, JOHN F. (*See* Homi et al.), 57
SMILEY, ROBERT H., JAQUES, WILLIAM E., AND CAMPBELL, GILBERT S. Pulmonary vascular changes in lung lobes with reversed pulmonary blood flow, 529
SMITH, C. POLK. (*See* Beall et al.), 353
SMITH, EDGAR B. (*See* Fish, Smith, and Canby), 309
SOBEL, SOL, KAPLITT, MARTIN J., REINGOLD, MARVIN, AND SAWYER, PHILIP N. Gas endarterectomy, 517
SOLIT, ROBERT W. (*See* Camishion et al.), 145, 1037
SONG, IN CHUL, BROMBERG, BERTRAM E., MOHN, MELVIN P., AND KOEHNLEIN, EDZARD. Heterografts as biological dressings for large skin wounds, 576
STAHELI, LYNN T. A clamp for isometric muscle biopsies, 1154
STERNS, LAURENCE P. (*See* Sellers et al.), 155
STEVENS, JOHN H. (*See* Ward et al.), 527
STOECKLE, HARRY. (*See* Mackenzie et al.), 944
STONE, H. HARLAN. Construction of the sump pump, 748
STONE, NELSON H. (*See* Belin et al.), 222
STRAIN, WILLIAM H. (*See* Pories et al.), 821
STRANDNESS, D. E., JR. Abnormal exercise responses after successful reconstructive arterial surgery, 325
—, AND BELL, J. W. Ankle pressure responses after reconstructive arterial surgery, 514
STRASSER, EDWARD S. (*See* Krause et al.), 81
STRODE, J. E. Acute cholecystitis as a complication following surgery unrelated to the biliary tract, 195
STURIM, HOWARD S., AND TERNBERG, JESSIE L. Congenital atresia of the colon, 458
SULLIVAN, M. BRUCE, JR. The present status of the postcibal "dumping" reaction, 645
SWITZER, WALTER E. (*See* Zaroff et al.), 368

T

TANK, EDWARD S. (*See* Lindenauer and Tank), 982
TATOOLES, CONSTANTINE J., AND BRAUNWALD, NINA S. Sustained paired electrical stimulation of the heart: hemodynamic effects in the presence of experimentally produced heart failure, 102
—. (*See* Braunwald, Gay, and Tatooles), 1024
TAYLOR, FREDERIC W. (*See* Gumbert, Waitt, and Taylor), 376
TERNBERG, JESSIE L. (*See* Sturim and Ternberg), 458
TERRY, ROGER. (*See* DeWeese et al.), 28
THAL, ALAN P. (*See* Hymes, Naumoff, and Thal), 414
—. (*See* Read and Thal), 173
THOMAS, W. HUGH. (*See* Coppola and Thomas), 782
THOMFORD, NEIL R. (*See* Hallenbeck et al.), 522
TIGNER, STERLING P. (*See* Miller et al.), 988
TIMMIS, HILARY H. The diagnosis and management of massive pulmonary embolism, 636
TITUS, JACK L. (*See* Hallenbeck et al.), 522
TOKUNAGA, KOUICHI. (*See* Camishion et al.), 145
TOPAZ, STEPHEN R. (*See* Akutsu et al.), 817
TRIMBLE, A. S., GOLDMAN, B. S., YAO, J. K., KOVATS, L. K., AND BIGELOW, W. G. Plastics—a source of chemical contamination in surgical research, 857
TURNBULL, RUPERT B., JR. Pull-through resection of the rectum, with delayed anastomosis, for cancer or Hirschsprung's disease, 498

V

VALAITIS, JONAS. (*See* Romsdahl et al.), 584
VAN DER HEYDE, M. NIELS, COOPER, JOHN R., CARTER, JOHN H., AND WELCH, C. STUART. Survival of hepatectomized dogs with partial liver transplants, 1079
VASKO, JOHN S. (*See* Brockman and Vasko), 997
VEITH, FRANK J., MURRAY, JOSEPH E., AND MILLER, MITCHELL C. Massive skin grafts in dogs under immunosuppressive chemotherapy, 594
VERNICK, JEROME J., AND HOPPE, EVERETTE T. The value of iodine compounds in the experimental treatment of wounds inoculated with cancer cells, 278
VRANIĆ, M. (*See* Rappaport, Vranić, and Wrenshall), 792

W

WAITT, PAUL M. (*See* Gumbert, Waitt, and Taylor), 376

WALDHAUSEN, JOHN A., AND ABEL, FRANCIS L. The circulatory effects of pulmonary arteriovenous fistulas, 76

WALLACE, JOHN D. (*See* Eldrup-Jorgensen, Schwartz, and Wallace), 505

WANG, MICHAEL C. H., REICH, THEOBALD, LESKO, WILLIAM S., AND JACOBSON, JULIUS H., II. Hyperbaric oxygenation: oxygen exchange in an acutely ischemic vascular bed, 94

WANGENSTEEN, OWEN H. (*See* Delaney et al.), 397

WARD, RICHARD J., DANZIGER, FRED, ALLEN, GERALD D., AND STEVENS, JOHN H. A simplified method of pH measurement, 527

WARNER, G. M. (*See* Warner et al.), 750, 758

WARNER, R. R. P., FELDMAN, M. G., WARNER, G. M., AND PARNES, I. H., with the technical assistance of DIGIORGI, F. Changes in blood serotonin concentration and urinary 5-hydroxyindoleacetic acid excretion in mechanical obstruction of the small intestine. I. Experimental intestinal obstruction in the dog, 750

—, —, —, AND —, with the technical assistance of DIGIORGI, F. Changes in blood serotonin concentration in mechanical obstruction of the small intestine. II. Findings in patients with intestinal obstruction, 758

WEBB, DALE. (*See* Lam, Webb, and Green), 872

WELCH, C. STUART. (*See* van der Heyde et al.), 1079

WELCH, CLAUDE E. Cancer of the breast, 908

WESOLOWSKI, SIGMUND A., FRIES, CHARLES C., MCMAHON, JAMES D., AND MARTINEZ, ALFRED. Evaluation of a new vascular prosthesis with optimal specifications, 40

—. (*See* Sawyer et al.), 1019

WHITTAKER, ROBERT. (*See* Pories et al.), 821

WILSON, DONALD R. (*See* Baird et al.), 911

WILSON, HARWELL. Carotid body tumors, 483

—, AND WOLF, RODNEY Y. Hepatic lobectomy: indications, technique, and results, 472

WILSON, RICHARD E. (*See* Couch et al.), 183

WOLF, RODNEY Y. (*See* Wilson and Wolf), 472

WOODS, LEON P. (*See* Shingleton and Woods), 886

WOODWARD, STEPHEN C. (*See* Herrmann and Woodward), 559

WORTHINGTON, MICHAEL. (*See* Haller et al.), 1128

WRENSHALL, G. A. (*See* Rappaport, Vranić, and Wrenshall), 792

WYLIE, E. J. (*See* Perry and Wylie), 401

Y

YAHR, WILLIAM ZACHARY. The ambidextrous clamp, 746

YAO, J. K. (*See* Trimble et al.), 857

YEAGER, GEORGE H. (*See* Just-Viera, Del Aguila, and Yeager), 1008

YONEMOTO, ROBERT H. (*See* Byron, Yonemoto, and Lagasse), 703

YOSHIDA, KOUZO. (*See* Handa, Yoshida, and Meyer), 1069

YOUNG, DAVID G. (*See* Schoenberg and Young), 842

YOUNG, JESS R. (*See* Homi et al.), 57

Z

ZAROFF, LAWRENCE I., MILLS, WILLIAM, JR., DUCKETT, JOHN W., JR., SWITZER, WALTER E., AND MONCRIEF, JOHN A. Multiple uses of viable cutaneous homografts in the burned patient, 368

ŻELAZNY, T. (*See* Politowski and Żelazny), 932

ZEMAN, WILLIAM V. New device for permanent cannulation of the gallbladder, urinary bladder, stomach, and intestine of dogs. Applications in biological investigation, 387

ZIMMERMANN, BERNARD. (*See* Gerwig, Zimmermann, and Robles), 1065

ZUFI, DAVID. (*See* Sawyer et al.), 1019

SUBJECT INDEX

A

Abdomen, gunshot wounds, treatment evaluation (Gumbert, Waitt, and Taylor), 376

Abdominal trauma, penetrating, selective conservatism in (Ryzoff, Shaftan, and Herbsman), 650

Achlorhydria associated with chronic disease of exocrine pancreas (MacLaren et al.), 676

Acidosis and alkalosis, effects upon ventricular fibrillation threshold, quantitative evaluation (Gerst, Fleming, and Malm), 1050

vasoconstriction, influence of, on disseminated intravascular coagulation (Hardaway, Brewster, and Elovitz), 804

Adams-Stokes syndrome, treatment with permanent intravenous pacemaker (Lagergren et al.), 494

Adhesive, tissue, cyanoacrylate, effect on granulation tissue formation in Ivalon sponge implants in rat (Herrmann and Woodward), 559

evaluation of crosslinked gelatin as (Braunwald, Gay, and Tatooles), 1024

Adhesiveness, platelet, and other coagulation factors in thrombophlebitis (Hume), 110

Adipose tissue, areolar, in retroperitoneal space, lipodystrophy of (Shafiroff and Kau), 696

Adrenalectomy as modification of pulmonary vascular dynamics during acute hypoxia (McLaughlin et al.), 1031

Adrenocortical-thyroid interrelationships (Goldenberg, Blodinger, and Grummon), 552

Alkalosis and acidosis, effects upon ventricular fibrillation threshold, quantitative evaluation (Gerst, Fleming, and Malm), 1050

Ammonia, production and absorption, effect of general and local intestinal hypothermia (Barker and Peskin), 1092

Anastomosis, delayed, with pull-through resection of rectum, for cancer or Hirschsprung's disease (Turnbull), 498

Anesthesia, hypercarbic, in cerebrovascular surgery (Homi et al.), 57

Aneurysms, popliteal, review and analysis of 61 cases (Baird et al.), 911

Angio-CONRAY, nephrotoxicity, effect of prior intravenous fluid administration on (Killen, Rhea, and Foster), 572

January, pp. 1–182; February, pp. 183–352; March, pp. 353–504; April, pp. 505–662; May, pp. 663–910; June, pp. 911–1184.

Angiography, contrast, spinal cord injury as complication of (Killen and Foster), 969

large vessel, total, in selection of patients for direct arterial surgery (Riley, Cannon, and Hanafee), 6

Ankle pressure responses after reconstructive arterial surgery (Strandness and Bell), 514

Anomalies, congenital, of coronary arteries (Hallman, Cooley, and Singer), 133

Antral membrane, congenital (Parrish, Sherman, and Moretz), 681

Aorta, ascending, to right pulmonary artery shunt for infants with tetralogy of Fallot (Edwards, Mohtashemi, and Holdefer), 316

endarterectomized, patency, maintenance of, electrical surface charge as factor in (Sawyer et al.), 1019

midabdominal, arteriosclerotic occlusion of (Sako), 709

thoracic, arterial pressure in permanently bypassed descending, relation to occurrence of spinal cord injury in dog (Killen, Edwards, and Adkins), 534

Aortofemoral bypass grafts, ureteral obstruction following (Lytton), 918

Aortopulmonary fenestration, surgical management of (Putnam and Gross), 727

Arfonad-induced hypotension, urine flow in, effect of THAM on (Chiu and Shaftan), 286

Arterial injuries complicating fractures or dislocations: need for more aggressive approach (Makin, Howard, and Green), 203

pressure in permanently bypassed descending thoracic aorta, relation to occurrence of spinal cord injury in dog (Killen, Edwards, and Adkins), 534

stenosis, effect on distribution of induced atheroarteriosclerosis (Penn et al.), 427

surgery, direct, total large vessel angiography in selection of patients for (Riley, Cannon, and Hanafee), 6

in atherosclerotic limbs, hemodynamics of: direct measurement of blood flow before and after vein grafts (Mannick and Jackson), 713

reconstructive, ankle pressure responses after (Strandness and Bell), 514

successful, abnormal exercise responses after (Strandness), 325

Arteriosclerotic occlusion of midabdominal aorta (Sako), 709

Arteriovenous fistulas, pulmonary, circulatory effects (Waldhausen and Abel), 76

Artery, coronary, onlay vein graft for correction of obstruction (Lary), 547
retrograde perfusion of, with gaseous oxygen during cardiopulmonary bypass (Camishion et al.), 145
hepatic, ligation and tumor necrosis in liver (Mori, Masuda, and Miyanaga), 359
hyperbaric oxygen treatment following, canine survival after (Karasewich et al.), 255
pulmonary, right, ascending aorta to, shunt for infants with tetralogy of Fallot (Edwards, Mohtashemi, and Holdefer), 316
stenotic, murmurs in, experimental study (Baker et al.), 88
subclavian and innominate, ligation, hemodynamic effects (Handa, Yoshida, and Meyer), 1069
Aspiration, treatment of thyroid cysts (Crile), 210
Atheroarteriosclerosis, induced, effect of arterial stenosis on distribution (Penn et al.), 426
Atherosclerotic limbs, arterial surgery in, hemodynamics of: direct measurement of blood flow before and after vein grafts (Mannick and Jackson), 713
ATP, protective effect in experimental hemorrhagic shock (Sharma and Eiseman), 66
Atresia, colonic, congenital (Sturim and Ternberg), 458
congenital, of colon (Sturim and Ternberg), 458
esophageal, postoperative, evaluation of esophageal function in (Shepard, Fenn, and Sieber), 608
membranous, of middle or distal esophagus, with unusual tracheoesophageal fistulas (Holcomb and Daniel), 1112
Atrial septal defects, secundum type: results of surgical repair using extracorporeal circulation (Sellers et al.), 155

B

Bedside teaching in the past (Marx), 469
Bile peritonitis with perforated choledochal cyst in infant, case report and surgical management (Goswitz and Kimmerling), 878
Biliary tract, surgery unrelated to, acute cholecystitis following (Strode), 195
Biological dressings for large skin wounds, heterografts as (Song et al.), 576
Biopsies, muscle, isometric, clamp for (Staheli), 1154
Bladder, electrical stimulation of, effect of Urecholine on (Schoenberg and Young), 842
urinary, cannulation, permanent, in dogs (Zeman), 387
Bleeding pattern in Meckel's diverticulum in pediatric patients (Rutherford and Akers), 618
Blood flow, direct measurement, before and after vein grafts (Mannick and Jackson), 713
gastrointestinal, upper, vasopressin influence on (Delaney et al.), 397
pulmonary, reversed, in lung lobes, pulmonary vascular changes with (Smiley, Jaques, and Campbell), 529
renal, measurement with xenon-133 at time of operation for renal artery stenosis (Lewis and Bergentz), 1043
reversal, with and without lumbar sympathectomy, revascularization of lower extremities by, experimental study (Amir-Jahed), 243
hematopoietic elements and tumor cells, "response" to cancer chemotherapy (Romsdahl et al.), 584
serotonin concentration and urinary 5-hydroxyindoleacetic acid excretion, changes in, in mechanical obstruction of small intestine (Warner et al.), 750, 758
findings in patients with intestinal obstruction (Warner et al.), 758
tumor cells and hematopoietic elements, "response" to cancer chemotherapy (Romsdahl et al.), 584
vessels, thermal effects of high velocity missiles, experimental determination of (Gerwig, Zimmermann and Robles), 1065
Bloodstream, invasion of tumor cells into, caused by palpation or biopsy of tumor (Foss et al.), 691
Breast, cancer of (Welch), 908
Bronchus, excluded: new experimental preparation (Hallman and Greenberg), 799
Burns, multiple uses of viable cutaneous homografts in (Zaroff et al.), 368
Bypass, cardiopulmonary, retrograde perfusion of coronary arteries with gaseous oxygen during (Camishion et al.), 145
grafts, femoropopliteal, autogenous venous (DeWeese et al.), 28

C

Cadaver kidneys, transplantation (Couch et al.), 183
Cancer, breast (Welch), 908
cells, wounds inoculated with, iodine compounds in, experimental treatment (Vernick and Hoppe), 278
chemotherapy, "response" of tumor cells and hematopoietic elements of blood to (Romsdahl et al.), 584
rectum, resection, pull-through, with delayed anastomosis for (Turnbull), 498
thyroid (Morfit), 894
Cannulation of renal, testicular, and cardiac lymphatics, experimental technique (Chavez), 421

Cannulation—Cont'd
permanent, canine gallbladder, urinary bladder, stomach, and intestine (Zeman), 387
Capsulotomy, renal, and renal failure, experimental evaluation (Perry and Wylie), 401
Carbon dioxide metabolism in intact mammalian stomach (Miyagi, Shoemaker, and Powers), 1083
Cardiac lymphatics, cannulation, experimental technique (Chavez), 421
surgery, open, extracorporeal circulation for, mechanism of heparin rebound after (Frick and Brögli), 721
valves, prosthetic replacement, renal hemodynamic effects (Beall et al.), 353
Cardiopulmonary bypass, retrograde perfusion of coronary arteries with gaseous oxygen during (Camishion et al.), 145
Carotid body tumors (Wilson), 483
Cartilages, costal, absence and deformities (Ravitch), 438
Catheter, embolectomy, new, further experience with (Krause et al.), 81
Cells, cancer, wounds inoculated with, iodine compounds in, experimental treatment (Vernick and Hoppe), 278
red, crenation and renal hemodynamic effect of mannitol (Lucas and Read), 408
tumor, and hematopoietic elements of blood, "response" to cancer chemotherapy (Romsdahl et al.), 584
Cerebrovascular surgery, hypercarbic anesthesia in (Homi et al.), 57
Chemotherapy, cancer, "response" of tumor cells and hematopoietic elements of blood to (Romsdahl et al.), 584
immunosuppressive, massive skin grafts in dogs under (Veith, Murray, and Miller), 594
Chest wall deformities, atypical—absence and deformities of ribs and costal cartilages (Ravitch), 438
Childhood, hermaphroditism in (MacMahon), 290
melanoma in, malignant (Fish, Smith, and Canby), 309
Cholecystitis, acute, complication following surgery unrelated to biliary tract (Strode), 195
Choledochal cyst, perforated, with bile peritonitis, in infant, case report and surgical management (Goswitz and Kimmerling), 878
Chordae tendineae, ruptured, mitral insufficiency due to, results of reconstructive operations for (Ellis, Frye, and McGoon), 165
Circulation, extracorporeal, for open cardiac surgery, mechanism of heparin rebound after (Frick and Brögli), 721
perfusate in, comparison of mannitol solutions and low molecular weight dextran as (Hymes, Naumoff, and Thal), 414
Circulation, extracorporeal—Cont'd
results of surgical repair of secundum type atrial septal defects using (Sellers et al.), 155
peripheral, photoelectric hemodensitometry for clinical evaluation (Eldrup-Jorgensen, Schwartz, and Wallace), 505
Circulatory effects of pulmonary arteriovenous fistulas (Waldhausen and Abel), 76
exclusion of right heart, long-term (Robicsek et al.), 431
Cirrhosis, hepatorenal syndrome in, elevation of pressure in abdominal inferior vena cava as cause of (Mullane and Gliedman), 1135
Clamp, ambidextrous (Yahr), 746
for isometric muscle biopsies (Staheli), 1154
vascular, new principle of design (Gaertner), 220
Clip, new design, technique of closure of skin incisions with (Samuels and Roedling), 741
Clitorectomy for sexual abnormalities: indications and technique (Gross, Randolph, and Crigler), 300
Coagulation, disseminated intravascular, influence on, of vasoconstriction and acidosis (Hardaway, Brewster, and Elovitz), 804
factors in thrombophlebitis, platelet adhesiveness and other (Hume), 110
Colon, atresia, congenital (Sturim and Ternberg), 458
Common duct exploration, systematic plan for (Glassman), 685
palpation and exploration, Kocher maneuver for (Brown and Osborne), 654
Congenital anomalies of coronary arteries (Hallman, Cooley, and Singer), 133
atresia of colon (Sturim and Ternberg), 458
lobar emphysema, long-term effects (DeMuth and Sloan), 601
Cord dissector for orchiopexy, new instrument (Cohn), 1133
Coronary arteries, congenital anomalies (Hallman, Cooley, and Singer), 133
obstruction, onlay vein graft for correction (Lary), 547
retrograde perfusion of, with gaseous oxygen during cardiopulmonary bypass (Camishion et al.), 145
Coronary-myocardial artery, method for creating (Lary and Sherman), 1061
Corticosteroids as treatment for aspiration of gastric contents: experimental study (Lawson et al.), 845
Costal cartilages, absence and deformities (Ravitch), 438
Crenation, red cell, and renal hemodynamic effect of mannitol (Lucas and Read), 408

Cutaneous homografts, viable, multiple uses for burned patient (Zaroff et al.), 368
Cyanoacrylate tissue adhesives, effect on granulation tissue formation in Ivalon sponge implants in rat (Herrmann and Woodward), 559
Cyst, choledochal, perforated, with bile peritonitis, in infant, case report and surgical management (Goswitz and Kimmerling), 878
thyroid, treatment by aspiration (Crile), 210

D

Deformities, chest wall, atypical—absence and deformities of ribs and costal cartilages (Ravitch), 438
Dermatome, safety razor blade, office skin grafting with (Shoul), 744
Dextran, low molecular weight, and mannitol solutions as perfusates in extracorporeal circulation, comparison (Hymes, Naumoff, and Thal), 414
Dislocations, arterial injuries complicating: need for more aggressive approach (Makin, Howard, and Green), 203
Diverticulum, Meckel's, in pediatric patients, with special reference to bleeding pattern and mesodiverticular vascular bands (Rutherford and Akers), 618
Dressings, biological, for large skin wounds, heterografts as (Song et al.), 576
Duct, common, anastomoses with vascular stapler (Cameron, Hendry, and Pulaski), 957
exploration, systematic plan for (Glassman), 685
palpation and exploration, Kocher maneuver for (Brown and Osborne), 654
"Dumping" reaction, postcibal, present status (Sullivan), 645
Duodenal perforation, complete pyloromyotomy without (Quinby), 627
tear, lateral, caused by gastrostomy tube: jejunal overlay closure of duodenum in newborn (Ballinger, McLaughlin, and Baranski), 450
Duodenum, jejunal overlay closure in newborn: lateral duodenal tear caused by gastrostomy tube (Ballinger, McLaughlin, and Baranski), 450
neoplasms of, primary (Serrano and McPeak), 199

E

Electrical stimulation of heart: hemodynamic effects in presence of experimentally produced heart failure (Tatooles and Braunwald), 102
surface charge as factor in maintenance of patency of endarterectomized aorta (Sawyer et al.), 1019
Electrocoagulation of varices of lower extremities, complications and difficulties (Politowski and Żelazny), 932
Embolectomy catheter, new, further experience with (Krause et al.), 81
Embolism, pulmonary, massive, diagnosis and management (Timmis), 636
prevention by partial occlusion of inferior vena cava (Just-Viera, Del Aguila, and Yeager), 1008
Emphysema, lobar, congenital, long-term effects (DeMuth and Sloan), 601
Empyema, acute, therapy (Humphrey), 661
Endarterectomized aorta, patency, maintenance of, electrical surface charge as factor in (Sawyer et al.), 1019
Endarterectomy, gas (Sobel et al.), 517
Endocrine function of homotransplanted pancreas (Seddon and Howard), 235
Enteroanastomosis with automatic instrument (Ravitch and Rivarola), 270
Epigastric masses following steering wheel injuries (Marx), 962
Esophageal atresia, postoperative, evaluation of esophageal function in (Shepard, Fenn, and Sieber), 608
dilatation, initial, in infants with benign esophageal stricture (Fonkalsrud), 883
function in postoperative esophageal atresia and tracheoesophageal fistula (Shepard, Fenn, and Sieber), 608
sphincter, intrinsic, experimental reflux esophagitis without, prevention (Baue), 264
stricture, benign, initial esophageal dilatation in infants with (Fonkalsrud), 883
Esophagitis, reflux, experimental, without intrinsic esophageal sphincter, prevention (Baue), 264
Eve, Paul Fitzsimons: scholar, teacher, patriot, soldier, surgeon (Herrington), 337
Exercise responses, abnormal, after successful reconstructive arterial surgery (Strandness), 325
Exocrine behavior of homotransplanted pancreas (Seddon and Howard), 226
Extracorporeal circulation, perfusate in, comparison of mannitol solutions and low molecular weight dextran as (Hymes, Naumoff, and Thal), 414
results of surgical repair of secundum type atrial septal defects using (Sellers et al.), 155
Extremities, lower, revascularization by reversal of blood flow with and without lumbar sympathectomy, experimental study (Amir-Jahed), 243
Exclusion, circulatory, of right heart, long-term (Robicsek et al.), 431

F

Fallot, tetralogy, ascending aorta to right pulmonary artery, shunt for infants with (Edwards, Mohtashemi, and Holdefer), 316
Fasciotomy, subcutaneous, new technique and instrument (Rosato et al.), 383
Femoropopliteal bypass grafts, autogenous venous (DeWeese et al.), 28
Fenestration, aortopulmonary, surgical management of (Putnam and Gross), 727
Fibrosis, retroperitoneal, idiopathic, vascular system involvement by (Neistadt, Jones, and Rob), 950
Fistulas, arteriovenous, pulmonary, circulatory effects (Waldhausen and Abel), 76
tracheoesophageal, postoperative, evaluation of esophageal function in (Shepard, Fenn, and Sieber), 608
unusual, with membranous atresia of middle or distal esophagus (Holcomb and Daniel), 1112
Floppy valve syndrome, symptomatic myxomatous valvular transformation (Read and Thal), 173
Flow states, low, in dog, metabolic effects of vasodilators on (Schumer, Lee, and Jones), 825
Fractures, arterial injuries complicating: need for more aggressive approach (Makin, Howard, and Green), 203

G

Gallbladder cannulation, permanent, in dogs (Zeman), 387
Gamma globulin proteins in treatment of tourniquet shock with plasma expanders, enhanced protection with (Serkes, Lang, and Pareira), 566
Gas endarterectomy (Sobel et al.), 517
Gastric contents, aspiration of, corticosteroids as treatment for (Lawson et al.), 845
disorders, subjects with, quantitative evaluation of gastric mucosa of normal subjects and (Doberneck and Engle), 189
hypothermia, local, observations on duration and results in management of active hemorrhage (Crampton et al.), 673
method (Hubbard), 670
mucosa of normal subjects and subjects with gastric disorders, quantitative evaluation (Doberneck and Engle), 189
pouches, construction, practical consideration (Cobbin, Ritchie, and Delaney), 1099
resection, mechanical suture in, by Soviet apparatus, use in 4,000 operations (Gritsman), 663
Gastroenterostomy tube, new versatile intubation device (Jascalevich), 381
Gastrointestinal blood flow, upper, vasopressin influence on (Delaney et al.), 397
Gastrostomy tube, cause of lateral duodenal tear: jejunal overlay closure of duodenum in newborn (Ballinger, McLaughlin, and Baranski), 450
Gelatin, crosslinked, evaluation as tissue adhesive and hemostatic agent (Braunwald, Gay, and Tatooles), 1024
Globulin, gamma, proteins in treatment of tourniquet shock with plasma expanders, enhanced protection with (Serkes, Lang, and Pareira), 566
Glomerulonephritis, apparent, in homotransplant (Hallenbeck et al.), 522
Grafting, vein, cross-over, 7 cases, chronic iliofemoral venous occlusion including (Dale), 117
venous, practical and physiologic studies related to (O'Neill and Foster), 832
Grafts, aortofemoral bypass, ureteral obstruction following (Lytton), 918
femoropopliteal bypass, autogenous venous (DeWeese et al.), 28
skin, massive, in dogs under immunosuppressive chemotherapy (Veith, Murray, and Miller), 594
vein, composite, for superior mesenteric vein—inferior vena cava shunts (Nay and Fitzpatrick), 540
onlay, for correction of coronary artery obstruction (Lary), 547
Granulation tissue formation in Ivalon sponge implants in rat, effect of cyanoacrylate tissue adhesives upon (Herrmann and Woodward), 559
Gunshot wounds for abdomen, treatment evaluation (Gumbert, Waitt, and Taylor), 376

H

Heart, artificial intracorporeal (Gibbon), 1
composite experimental artificial (Akutsu et al.), 817
electrical stimulation: hemodynamic effects in presence of experimentally produced heart failure (Tatooles and Braunwald), 102
failure, experimentally produced, hemodynamic effects of, sustained paired electrical stimulation in (Tatooles and Braunwald), 102
right, circulatory exclusion, long-term (Robicsek et al.), 431
permanent bypass, experimental studies (Haller et al.), 1128
Hematopoietic elements and tumor cells of blood, "response" to cancer chemotherapy (Romsdahl et al.), 584
Hemicorporectomy (Miller et al.), 988
Hemipelvectomy: clinical study of 100 cases with five year follow-up on 60 patients (Higinbotham, Marcove, and Casson), 706

Hemodensitometry, photoelectric, for clinical evaluation of peripheral circulation (Eldrup-Jorgensen, Schwartz, and Wallace), 505
Hemodynamic effects of subclavian and innominate artery ligation (Handa, Yoshida, and Meyer), 1069
renal, of mannitol, red cell crenation and (Lucas and Read), 408
prosthetic replacement of cardiac valves (Beall et al.), 353
Hemorrhage, active, management, observations on duration and results of local gastric hypothermia (Crampton et al.), 673
Hemorrhagic shock, experimental, ATP protective effect in (Sharma and Eiseman), 66
Hemostatic agent, evaluation of crosslinked gelatin as (Braunwald, Gay, and Tatooles), 1024
Henoch-Schönlein's purpura, surgical aspects (Lindenauer and Tank), 982
Heparin rebound, mechanism of, after extracorporeal circulation for open cardiac surgery (Frick and Brögli), 721
response to, of "standard" experimental thrombus (Hunt, Reeve, and Hollings), 812
Hepatectomized dogs, survival with partial liver transplants (van der Heyde et al.), 1079
Hepatic artery ligation and tumor necrosis in liver (Mori, Masuda, and Miyanaga), 359
hyperbaric oxygen treatment following, canine survival after (Karasewich et al.), 255
circulatory and functional alterations following side-to-side portacaval shunt (Mulder et al.), 923
failure, management, use of isolated perfused cadaveric liver in (Sen et al.), 774
lobectomy, indications, technique, and results (Wilson and Wolf), 472
Hepatorenal syndrome in cirrhosis, elevation of pressure in abdominal inferior vena cava as cause of (Mullane and Gliedman), 1135
Hermaphroditism in infancy and childhood (MacMahon), 290
Hernia, Richter's, strangulated, of inguinal canal in six-week-old infant (Melmed, Cornes, and Henley), 1120
Heterografts as biological dressings for large skin wounds (Song et al.), 576
Hirschsprung's disease, resection of rectum, pull-through, with delayed anastomosis for (Turnbull), 498
Homografts, viable cutaneous, multiple uses for burned patient (Zaroff et al.), 368
Homotransplant, apparent glomerulonephritis in (Hallenbeck et al.), 522
Homotransplanted pancreas, endocrine function (Seddon and Howard), 235
Homotransplanted pancreas—Cont'd
exocrine behavior (Seddon and Howard), 226
5-Hydroxyindoleacetic acid, urinary, excretion, and changes in blood serotonin concentration in mechanical obstruction of small intestine (Warner et al.), 750, 758
Hyperbaric oxygen treatment following hepatic artery ligation, canine survival after (Karasewich et al.), 255
oxygenation: oxygen exchange in acutely ischemic vascular bed (Wang et al.), 94
Hypercarbic anesthesia in cerebrovascular surgery (Homi et al.), 57
Hypotension, Arfonad-induced, urine flow in, effect of THAM on (Chiu and Shaftan), 286
Hypothermia, gastric, local, observations on duration and results in management of active hemorrhage (Crampton et al.), 673
method (Hubbard), 670
intestinal, general and local, effect on production and absorption of ammonia (Barker and Peskin), 1092
Hypoxia, acute, pulmonary vascular dynamics during, modification by reserpine pretreatment or adrenalectomy (McLaughlin et al.), 1031

I

Ileostomy, postoperative management, immediate (Sachs and Barker), 373
Iliofemoral venous occlusion, chronic, including 7 cases of cross-over vein grafting (Dale), 117
Implants, Ivalon sponge, in rat, granulation tissue formation in, effect of cyanoacrylate tissue adhesives upon (Herrmann and Woodward), 559
Infancy, hermaphroditism in (MacMahon), 290
Infants with tetralogy of Fallot, shunt for, ascending aorta to right pulmonary (Edwards, Mohtashemi, and Holdefer), 316
Inferior vena cava–superior mesenteric vein shunts via composite vein grafts (Nay and Fitzpatrick), 540
Inguinal canal, strangulated Richter's hernia of, in six-week-old infant (Melmed, Cornes, and Henley), 1120
Injuries, arterial, complicating fractures or dislocations: need for more aggressive approach (Makin, Howard, and Green), 203
Innominate and subclavian artery ligation, hemodynamic effects (Handa, Yoshida, and Meyer), 1069
Intestinal hypothermia, general and local, effect on production and absorption of ammonia (Barker and Peskin), 1092

Intestine, small, mechanical obstruction of, changes in blood serotonin concentration and urinary 5-hydroxyindoleacetic acid excretion in (Warner et al.), 750, 758
Intravenous fluid administration, prior, effect on nephrotoxicity of Angio-CONRAY (Killen, Rhea, and Foster), 572
pacemaker, permanent, treatment for Adams-Stokes syndrome (Lagergren et al.), 494
Intubation device, gastroenterostomy tube, new versatile (Jascalevich), 381
Intussusception in infancy caused by hypertrophic Peyer's patches (Nissan and Levy), 1108
postoperative, unusual case (Shaw and Francois), 455
Iodine compounds in wounds inoculated with cancer cells, experimental treatment (Vernick and Hoppe), 278
Ischemic vascular bed, oxygen exchange in, by hyperbaric oxygenation (Wang et al.), 94
Ivalon sponge implants in rat, granulation tissue formation in, effect of cyanoacrylate tissue adhesives upon (Herrmann and Woodward), 559

J

Jejunal overlay closure of duodenum in newborn: lateral duodenal tear caused by gastrostomy tube (Ballinger, McLaughlin, and Baranski), 450
Jones, John, extraordinary American (Peltier), 631

K

Kallikreinogen, serum, levels in postoperative patients and in patients with pancreatitis (Singh and Howard), 837
Kidneys, cadaver, procurement for transplantation (McKneally et al.), 770
transplantation (Couch et al.), 183
Kocher maneuver for common duct palpation and exploration (Brown and Osborne), 654

L

Legs, revascularization by reversal of blood flow with and without lumbar sympathectomy, experimental study (Amir-Jahed), 243
Lipodystrophy of adipose areolar tissue in retroperitoneal space (Shafiroff and Kau), 696
Liver, cadaveric, isolated perfused, use in management of hepatic failure (Sen et al.), 774
canine, isolated perfused, serotonin metabolism in (Moore and Eiseman), 765
transplants, partial, survival of hepatectomized dogs with (van der Heyde et al.), 1079
tumor necrosis in, hepatic artery ligation and (Mori, Masuda, and Miyanaga), 359
Liver tumor—Cont'd
primary, presenting as right atrial tumor, case report (Lam, Webb, and Green), 872
Lobar emphysema, congenital, long-term effects (DeMuth and Sloan), 601
Lobectomy, hepatic, indications, technique, and results (Wilson and Wolf), 472
Lobes, lung, pulmonary vascular changes in, with reversed pulmonary blood flow (Smiley, Jaques, and Campbell), 529
Lumbar sympathectomy, reversal of blood flow with and without, revascularization of lower extremities by, experimental study (Amir-Jahed), 243
Lung lobes, pulmonary vascular changes in, with reversed blood flow (Smiley, Jaques, and Campbell), 529
Lymphangiographic studies in obstructive lymphedema of upper extremity (Feldman et al.), 935
Lymphatic cannulation, renal, testicular, and cardiac, experimental technique (Chavez), 421
Lymphatics, renal, testicular, and cardiac, cannulation, experimental technique (Chavez), 421
Lymphedema of upper extremity, lymphangiographic studies in (Feldman et al.), 935

M

Malabsorption syndromes (Shingleton and Wood), 886
Maneuver, Kocher, for palpation and exploration of common duct (Brown and Osborne), 654
Mannitol, effect on renal vascular resistance (Camishion et al.), 1037
renal hemodynamic effect, red cell crenation and (Lucas and Read), 408
solutions and low molecular weight dextran as perfusates in extracorporeal circulation, comparison (Hymes, Naumoff, and Thal), 414
Mechanical suture in enteroanastomosis (Ravitch and Rivarola), 270
Meckel's diverticulum in pediatric patients, with special reference to bleeding pattern and mesodiverticular vascular bands (Rutherford and Akers), 618
Melanoma, malignant, in childhood (Fish, Smith, and Canby), 309
Mesenteric vein, superior, to inferior vena cava shunts via composite vein grafts (Nay and Fitzpatrick), 540
Mesodiverticular vascular bands in Meckel's diverticulum in pediatric patients (Rutherford and Akers), 618

Missiles, high velocity, thermal effects on blood vessels, experimental determination of (Gerwig, Zimmermann, and Robles), 1065
Mitral insufficiency due to ruptured chordae tendineae, reconstructive operations for, results (Ellis, Frye, and McGoon), 165
Mucosa, gastric, of normal subjects and subjects with gastric disorders, quantitative evaluation (Doberneck and Engle), 189
Murmurs in stenotic arteries, experimental study (Baker et al.), 88
Muscle biopsies, isometric, clamp for (Staheli), 1154
Myocardial-coronary artery, method for creating (Lary and Sherman), 1061

N

Neck, thymectomy through (Crile), 213
Necrosis, tumor, in liver, hepatic artery ligation and (Mori, Masuda, and Miyanaga), 359
Neoplasms, duodenal, primary (Serrano and McPeak), 199
Nephrotoxicity of Angio-CONRAY, effect of prior intravenous fluid administration on (Killen, Rhea, and Foster), 572
Newborn, duodenum, jejunal overlay closure in: lateral duodenal tear caused by gastrostomy tube (Ballinger, McLaughlin, and Baranski), 450
Nitrogen mustard, canine tolerance to, effect of splenectomy on (Killen), 853

O

Occlusion, renal vein, acute, in dogs, effects (Siderys and Kilman), 282
splenic vein, isolated, diagnosis by radioportography (Grünert et al.), 364
venous, iliofemoral, chronic, including 7 cases of cross-over vein grafting (Dale), 117
Orchiopexy, cord dissector for, new instrument (Cohn), 1133
Oxygen exchange in acutely ischemic vascular bed: oxygenation, hyperbaric (Wang et al.), 94
gaseous, retrograde perfusion of coronary arteries with, during cardiopulmonary bypass (Camishion et al.), 145
hyperbaric, survival of dogs treated with, following hepatic artery ligation (Karasewich et al.), 255
Oxygenation, hyperbaric: oxygen exchange in acutely ischemic vascular bed (Wang et al.), 94

P

Pacemaker, intravenous, permanent, treatment for Adams-Stokes syndrome (Lagergren et al.), 494
Pacemaker—Cont'd
receiver, micromodule, clinical use of (Mackenzie et al.), 944
Pancreas, exocrine, chronic disease of, achlorhydria associated with (MacLaren et al.), 676
homotransplanted, endocrine function (Seddon and Howard), 235
exocrine behavior (Seddon and Howard), 226
remnant, isolated, pedunculated subcutaneous autotransplant of, for temporary deprivation of internal pancreatic secretion in dog (Rappaport, Vranić, and Wrenshall), 792
Pancreatic secretion, internal, in dog, temporary deprivation of, pedunculated subcutaneous autotransplant of isolated pancreas remnant for (Rappaport, Vranić, and Wrenshall), 792
Pancreaticoduodenal resection, technique (Longmire), 344
Pancreatitis, patients with, and postoperative patients, serum kallikreinogen levels in (Singh and Howard), 837
progress in management (Grözinger), 319
Panniculectomy, improved technique (Belin et al.), 222
Parathyroids, demonstration during surgery in dogs, with preliminary report of results in some clinical cases (Klopper and Moe), 1101
Pelvic surgery, two-team approach for (Byron, Yonemoto, and Lagasse), 703
Perfusion, retrograde, of coronary arteries with gaseous oxygen during cardiopulmonary bypass (Camishion et al.), 145
Peripheral circulation, photoelectric hemodensitometry for clinical evaluation (Eldrup-Jorgensen, Schwartz, and Wallace), 505
Peritonitis, bile, with perforated choledochal cyst in infant, case report and surgical management (Goswitz and Kimmerling), 878
Peyer's patches, hypertrophic, cause of intussusception in infancy (Nissan and Levy), 1108
pH measurement, simplified method (Ward et al.), 527
Phlegmasia cerulea dolens, pathologic physiology (Brockman and Vasko), 997
Photoelectric hemodensitometry for clinical evaluation of peripheral circulation (Eldrup-Jorgensen, Schwartz, and Wallace), 505
Plasma expanders, treatment of tourniquet shock with, enhanced protection with gamma globulin proteins (Serkes, Lang, and Pareira), 566
protein electrophoresis, studies of, in canine renal homotransplantation (Coppola and Thomas), 782

Plastics—source of chemical contamination in surgical research (Trimble et al.), 857
Platelet adhesiveness and other coagulation factors in thrombophlebitis (Hume), 110
Popliteal aneurysms, review and analysis of 61 cases (Baird et al.), 911
Portacaval shunt, side-to-side, hepatic circulatory and functional alterations following (Mulder et al.), 923
Postcibal "dumping" reaction, present status (Sullivan), 645
Postoperative management of ileostomy, immediate (Sachs and Barker), 373
Precepts, practice of: bedside teaching in the past (Marx), 469
Pressure, ankle, responses after reconstructive arterial surgery (Strandness and Bell), 514
  arterial, in permanently bypassed descending thoracic aorta, relation to occurrence of spinal cord injury in dog (Killen, Edwards, and Adkins), 534
Prostate, rhabdomyosarcoma of (Lemmon, Holland, and Ketcham), 736
Prosthesis, ball valve, with metallic ball (Servelle and Arbonville), 216
  vascular, new, with optimal specifications, evaluation (Wesolowski et al.), 40
Prosthetic replacement of cardiac valves, renal hemodynamic effects (Beall et al.), 353
Proteins, gamma globulin, in treatment of tourniquet shock with plasma expanders, enhanced protection with (Serkes, Lang, and Pareira), 566
  plasma, electrophoresis, studies of, in canine renal homotransplantation (Coppola and Thomas), 782
Pulmonary arteriovenous fistulas, circulatory effects (Waldhausen and Abel), 76
  artery, right, ascending aorta to, shunt for infants with tetralogy of Fallot (Edwards, Mohtashemi, and Holdefer), 316
  blood flow, reversed in lung lobes, pulmonary vascular changes with (Smiley, Jaques, and Campbell), 529
  embolism, massive, diagnosis and management (Timmis), 636
    prevention by partial occlusion of inferior vena cava (Just-Viera, Del Aguila, and Yeager), 1008
  vascular changes in lung lobes with reversed pulmonary blood flow (Smiley, Jaques, and Campbell), 529
    dynamics during acute hypoxia, modification by reserpine pretreatment or adrenalectomy (McLaughlin et al.), 1031
Pump, sump, construction of (Stone), 748
Purpura, Henoch-Schönlein's, surgical aspects (Lindenauer and Tank), 982
Pyloromyotomy, complete, without duodenal perforation (Quinby), 627

R

Radioportography for diagnosis of isolated splenic vein occlusion (Grünert et al.), 364
Rectum, pull-through resection, with delayed anastomosis, for cancer or Hirschsprung's disease (Turnbull), 498
Red cell crenation and renal hemodynamic effect of mannitol (Lucas and Read), 408
Reflux esophagitis, experimental, without intrinsic esophageal sphincter, prevention (Baue), 264
Renal artery stenosis, operation for, measurement of renal blood flow with xenon-133 at time of (Lewis and Bergentz), 1043
  blood flow measurement with xenon-133 at time of operation for renal artery stenosis (Lewis and Bergentz), 1043
  capsulotomy and renal failure, experimental evaluation (Perry and Wylie), 401
  failure and renal capsulotomy, experimental evaluation (Perry and Wylie), 401
  hemodynamic effect of mannitol, red cell crenation and (Lucas and Read), 408
    prosthetic replacement of cardiac valves (Beall et al.), 353
  homografts to neck, technique for, in rabbits (McDonald and Fukuda), 1156
  homotransplantation, canine, studies of plasma protein electrophoresis in (Coppola and Thomas), 782
  lymphatics, cannulation, experimental technique (Chavez), 421
  vascular resistance, effect of mannitol on (Camishion et al.), 1037
  vein, canine, effects of acute occlusion on (Siderys and Kilman), 282
Resection of rectum, pull-through, with delayed anastomosis, for cancer or Hirschsprung's disease (Turnbull), 498
  pancreaticoduodenal, technique (Longmire), 344
Reserpine pretreatment as modification of pulmonary vascular dynamics during acute hypoxia (McLaughlin et al.), 1031
Retroperitoneal space, adipose areolar tissue in, lipodystrophy of (Shafiroff and Kau), 696
Revascularization of lower extremities by reversal of blood flow with and without lumbar sympathectomy, experimental study (Amir-Jahed), 243
Rhabdomyosarcoma of prostate (Lemmon, Holland, and Ketcham), 736
Ribs, absence and deformities (Ravitch), 438
Richter's hernia, strangulated, of inguinal canal in six-week-old infant (Melmed, Cornes, and Henley), 1120
Rush, Benjamin, 1745–1813 (McDonald), 465

S

Serotonin, concentration in blood, and urinary 5-hydroxyindoleacetic acid excretion, changes in, in mechanical obstruction of small intestine (Warner et al.), 750, 758
findings in patients with intestinal obstruction (Warner et al.), 758
metabolism in isolated perfused canine liver (Moore and Eiseman), 765
Serum kallikreinogen levels in postoperative patients and in patients with pancreatitis (Singh and Howard), 837
Sexual abnormalities, clitorectomy for: indications and technique (Gross, Randolph, and Crigler), 300
Shock, hemorrhagic, experimental, ATP protective effect in (Sharma and Eiseman), 66
tourniquet, treatment with plasma expanders, enhanced protection with gamma globulin proteins (Serkes, Lang, and Pareira), 566
Shunt, ascending aorta to right pulmonary artery, for infants with tetralogy of Fallot (Edwards, Mohtashemi, and Holdefer), 316
superior mesenteric vein–inferior vena cava, via composite vein grafts (Nay and Fitzpatrick), 540
Siamese twins, surgery on (Kiesewetter), 860
Skin grafting, office, with safety razor blade dermatome (Shoul), 744
grafts, massive, in dogs under immunosuppressive chemotherapy (Veith, Murray, and Miller), 594
incisions, technique of closure with clip of new design (Samuels and Roedling), 741
wounds, heterografts as biological dressings for (Song et al.), 576
Sphincter, esophageal, intrinsic, experimental reflux esophagitis without, prevention (Baue), 264
Spinal cord injury as complication of contrast angiography (Killen and Foster), 969
relation to arterial pressure in permanently bypassed descending thoracic aorta in dog (Killen, Edwards, and Adkins), 534
Spleen, normal, rupture, in newborn, with survival (Schwartz and Cohn), 1124
Splenectomy, effect on canine tolerance to nitrogen mustard (Killen), 853
Splenic vein occlusion, isolated, diagnosis by radioportography (Grünert et al.), 364
Stapler, vascular, common duct anastomoses with (Cameron, Hendry, and Pulaski), 957
Steering wheel injuries, epigastric masses following (Marx), 962
Stenosis, arterial, effects on induced atheroarteriosclerosis distribution (Penn et al.), 427
Stenotic arteries, murmurs in, experimental study (Baker et al.), 88
Stomach cannulation, permanent, in dogs (Zeman), 387
intact mammalian, carbon dioxide metabolism in (Miyagi, Shoemaker, and Powers), 1083
Stroke, can surgery prevent it? (Javid), 1147
Subclavian and innominate artery ligation, hemodynamic effects (Handa, Yoshida, and Meyer), 1069
Subcutaneous fasciotomy, new technique and instrument (Rosato et al.), 383
Sump pump, construction of (Stone), 748
Superior mesenteric vein–inferior vena cava shunts via composite vein grafts (Nay and Fitzpatrick), 540
Survival of dogs treated with hyperbaric oxygen following hepatic artery ligation (Karasewich et al.), 255
Suture, mechanical, in enteroanastomosis (Ravitch and Rivarola), 270
gastric resection, by Soviet apparatus, use in 4,000 operations (Gritsman), 663
Sympathectomy, lumbar, electronic monitor for (Hill, Edwards, and Ozeran), 955
reversal of blood flow with and without, revascularization of lower extremities by, experimental study (Amir-Jahed), 243
Syndrome, Adams-Stokes, treatment with permanent intravenous pacemaker (Lagergren et al.), 494

T

Teaching, bedside, in the past (Marx), 469
Testicular lymphatics, cannulation, experimental technique (Chavez), 421
Tetralogy of Fallot, ascending aorta to right pulmonary artery, shunt for infants with (Edwards, Mohtashemi, and Holdefer), 316
THAM, effect on urine flow in Arfonad-induced hypotension (Chiu and Shaften), 286
Thermal effects on blood vessels from high velocity missiles, experimental determination of (Gerwig, Zimmermann, and Robles), 1065
Thoracic aorta, arterial pressure in permanently bypassed descending, relation to occurrence of spinal cord injury in dog (Killen, Edwards, and Adkins), 534
Thrombophlebitis, platelet adhesiveness and other coagulation factors in (Hume), 110
Thrombus, "standard" experimental, observations on its production, pathology, response to heparin, and thrombectomy (Hunt, Reeve, and Hollings), 812
Thymectomy through neck (Crile), 213
Thyroid-adrenocortical interrelationships (Goldenberg, Blodinger, and Grummon), 552

Thyroid, cancer of (Morfit), 894
cysts, treatment by aspiration (Crile), 210
Tissue adhesive, evaluation of crosslinked gelatin as (Braunwald, Gay, and Tatooles), 1024
Tourniquet, high controllable (Cox), 994
shock, treatment with plasma expanders, enhanced protection with gamma globulin proteins (Serkes, Lang, and Pareira), 566
Tracheoesophageal fistula, postoperative, evaluation of esophageal function in (Shepard, Fenn, and Sieber), 608
unusual, with membranous atresia of middle or distal esophagus (Holcomb and Daniel), 1112
Transformation, valvular, myxomatous, symptomatic (floppy valve syndrome) (Read and Thal), 173
Transplantation of cadaver kidneys (Couch et al.), 183
Transposition of great vessels, surgical correction (Senning), 334
Trauma, abdominal, penetrating, selective conservatism in (Ryzoff, Shaftan, and Herbsman), 650
Tube, gastroenterostomy, new versatile intubation device (Jascalevich), 381
gastrostomy, cause of lateral duodenal tear: jejunal overlay closure of duodenum in newborn (Ballinger, McLaughlin, and Baranski), 450
Tumors, carotid body (Wilson), 483
cells and hematopoietic elements of blood, "response" to cancer chemotherapy (Romsdahl et al.), 584
invasion into bloodstream caused by palpation or biopsy of tumor (Foss et al.), 691
liver, primary, presenting as right atrial tumor, case report (Lam, Webb, and Green), 872
necrosis in liver, hepatic artery ligation and (Mori, Masuda, and Miyanaga), 359
palpation or biopsy of, invasion of tumor cells into bloodstream caused by (Foss et al.), 691
Twins, conjoined (Siamese), surgery on (Kiesewetter), 860
Two-team approach for pelvic surgery (Byron, Yonemoto, and Lagasse), 703

U

Urecholine, effect on electrical stimulation of bladder (Schoenberg and Young), 842
Ureteral obstruction following aortofemoral bypass grafts (Lytton), 918
Ureteroileostomy, technique of (Murphy and Schoenberg), 903
Urinary bladder cannulation, permanent, in dogs (Zeman), 387
Urine flow in Arfonad-induced hypotension, effect of THAM on (Chiu and Shaftan), 286

V

Vagotomy—total or selective? (Barnett), 503
Valves, cardiac, prosthetic replacement, renal hemodynamic effects (Beall et al.), 353
floppy, syndrome, symptomatic myxomatous valvular transformation (Read and Thal), 173
prosthesis, with metallic ball (Servelle and Arbonville), 216
Valvular transformation, myxomatous, symptomatic (floppy valve syndrome) (Read and Thal), 173
Varices of lower extremities, electrocoagulation of, complications and difficulties (Politowski and Żelazny), 932
Vascular bands, mesodiverticular, in Meckel's diverticulum, in pediatric patients (Rutherford and Akers), 618
bed, acutely ischemic, oxygen exchange in, by hyperbaric oxygenation (Wang et al.), 94
clamps, new principle of design (Gaertner), 220
dynamics, pulmonary, during acute hypoxia, modification by reserpine pretreatment or adrenalectomy (McLaughlin et al.), 1031
prosthesis, new, with optimal specifications, evaluation (Wesolowski et al.), 40
resistance, renal, effect of mannitol on (Camishion et al.), 1037
stapler, common duct anastomoses with (Cameron, Hendry, and Pulaski), 957
system involvement by idiopathic retroperitoneal fibrosis (Neistadt, Jones, and Rob), 950
Vasculature, pulmonary, changes in lung lobes with reversed pulmonary blood flow (Smiley, Jaques, and Campbell), 529
Vasoconstriction and acidosis, influence of, on disseminated intravascular coagulation (Hardaway, Brewster, and Elovitz), 804
Vasodilators, metabolic effects of, on low flow states in dog (Schumer, Lee and Jones), 825
Vasopressin influence on upper gastrointestinal blood flow (Delaney et al.), 397
Vein grafts, composite, for superior mesenteric vein–inferior vena cava shunts (Nay and Fitzpatrick), 540
cross-over, 7 cases, chronic iliofemoral venous occlusion including (Dale), 117
onlay, for correction of coronary artery obstruction (Lary), 547
renal, canine, effects of acute occlusion (Siderys and Kilman), 282

Vein—Cont'd
splenic, isolated occlusion, diagnosis by radioportography (Grünert et al.), 364
superior mesenteric, shunts to inferior vena cava via composite vein grafts (Nay and Fitzpatrick), 540
Vena cava, inferior, abdominal, elevation of pressure in, as cause of hepatorenal syndrome in cirrhosis (Mullane and Gliedman), 1135
partial occlusion of, prevention of massive pulmonary embolism by (Just-Viera, Del Aguila, and Yeager), 1008
shunts to superior mesenteric vein via composite vein grafts (Nay and Fitzpatrick), 540
Venous grafting, practical and physiologic studies related to (O'Neill and Foster), 832
occlusion, iliofemoral, chronic, including 7 cases of cross-over vein grafting (Dale), 117
Ventricular fibrillation threshold, effects upon, of acidosis and alkalosis, quantitative evaluation (Gerst, Fleming, and Malm), 1050
Vessels, great, transposition, surgical correction (Senning), 334

W

Wounds, abdominal, gunshot, treatment evaluation (Gumbert, Waitt, and Taylor), 376
gunshot, abdominal, treatment evaluation (Gumbert, Waitt, and Taylor), 376
human, healing, measurement (Pories et al.), 821
skin, heterografts as biological dressings for (Song et al.), 576

X

Xenon-133, measurement of renal blood flow with, at time of operation for renal artery stenosis (Lewis and Bergentz), 1043

SURGERY

Official Publication SOCIETY OF UNIVERSITY SURGEONS

SOCIETY FOR VASCULAR SURGERY

Editors

ALTON OCHSNER
Ochsner Clinic
1514 Jefferson Highway
New Orleans 21, La.

OWEN H. WANGENSTEEN
Department of Surgery
University of Minnesota Medical Center
Minneapolis, Minn.

Associate Editors

WILLIAM S. BLAKEMORE, M.D.
Graduate School of Medicine
The University of Pennsylvania
Philadelphia, Pa.

JAMES D. HARDY, M.D.
School of Medicine
University of Mississippi
Jackson, Miss.

WARREN H. COLE, M.D.
School of Medicine
University of Illinois
Chicago, Ill.

JOHN R. PAINE, M.D.
Department of Surgery
Buffalo General Hospital
Buffalo, N. Y.

CLARENCE DENNIS, M.D.
Department of Surgery
Kings County Hospital
Brooklyn, N. Y.

I. S. RAVDIN, M.D.
The I. S. Ravdin Institute
University of Pennsylvania
Philadelphia, Pa.

EDWIN H. ELLISON, M.D.
School of Medicine
Marquette University
Milwaukee, Wis.

MARK M. RAVITCH, M.D.
Division of Pediatric Surgery
University of Chicago
Chicago, Ill.

Editorial Board

John Adriani
New Orleans, La.

William Longmire
Los Angeles, Calif.

Charles Rob
Rochester, N. Y.

T. G. Blocker, Jr.
Galveston, Texas

Carl Moyer
St. Louis, Mo.

Paul S. Russell
Boston, Mass.

Michael De Bakey
Houston, Texas

Charles M. Nice, Jr.
New Orleans, La.

John A. Schilling
Oklahoma City, Okla.

Robert E. Gross
Boston, Mass.

George T. Pack
New York, N. Y.

Claude E. Welch
Boston, Mass.

David M. Hume
Richmond, Va.

E. R. Woodward
Gainesville, Fla.

Volume 60
July—December, 1966

St. Louis
The C. V. Mosby Company

VOLUME 60

Copyright © 1966 by
THE C. V. MOSBY COMPANY
all rights reserved

Printed in the United States of America

1292

Index to volume 60

AUTHOR INDEX*

A

ABEL, RONALD M. (*See* Boruchow and Abel), 1195
ABRAMS, MARTIN W. (*See* Kenigsberg et al.), 462
ACKERMAN, NORMAN B., AND BRINKLEY, FLOYD B. Development of cyclic intermittent hyperbaric oxygenation as a method for prolonging survival during chronic hyperbaric exposure, 20
ACKERMANN, J. R. W., FISHER, A. J. G., AND BARNARD, C. M. Live storage of kidneys: a preliminary communication, 720
ADKINS, JERRY R. (*See* Hardy et al.), 361
AGRAWAL, GIRDHAR (*See* Hald, Agrawal, and Kantrowitz), 848
AGUSTSSON, MAGNUS H. (*See* Baffes et al.), 319
—. (*See* Baffes, Parker, and Agustsson), 679
AKA, EDIP. (*See* Grosz et al.), 1232
ALKSNE, JOHN F., FINGERHUT, AARON, AND RAND, ROBERT. Magnetically controlled metallic thrombosis of intracranial aneurysms, 212
ALTEMEIER, W. A., GALL, E. A., CULBERTSON, W. R., AND INGE, W. W. Sclerosing carcinoma of the intrahepatic (hilar) bile ducts, 191
—, AND HUMMEL, ROBERT P. Treatment of tetanus, 495
ALTERWEIN, ROY. (*See* Grosz et al.), 1232
ALTMAN, R. PETER. (*See* Lister, Maung, and Altman), 43
AMOR, RAMON L. (*See* Martin et al.), 420
ANAGNOSTOPOULOS, C. E., AND GLENN, WILLIAM W. L. Electronic pacemakers of the heart, gastrointestinal tract, phrenic nerve, bladder, and carotid sinus: current status, 480
ANDERSON, MARION C. (*See* Sim, Duprez, and Anderson), 1175
ANTEBI, ELIAHU. (*See* Mozes et al.), 790
APOSTOL, JAMES V. (*See* Preston et al.), 1203
ARBULU, AGUSTIN, AND THAL, ALAN P. The hemodynamic effects of alpha- and beta-adrenergic blockade, 60
ARNOLD, JAMES G., JR. (*See* Hennessy, Thompson, and Arnold), 744
AUSTEN, W. GERALD. (*See* Hirai, Austen, and Mark), 710
—. (*See* Keddie, Provan, and Austen), 427
AWE, WILLIAM C., FLETCHER, WILLIAM S., AND JACOB, STANLEY, W. The pathophysiology of aspiration pneumonitis, 232

B

BAFFES, CHRIS G. (*See* Baffes et al.), 319
BAFFES, THOMAS G., AGUSTSSON, MAGNUS, KETOLA, FABIAN H., AND BAFFES, CHRIS G. Administration of hyperbaric oxygen in an individual high pressure chamber, 319
—, PARKER, DONALD, AND AGUSTSSON, MAGNUS H. Effects of hyperbaric oxygen on anoxemia, 679
BAHNSON, HENRY T. Responsibilities of University Surgeons for undergraduate education, 1
BARKER, WILEY F. (*See* Levin, Fonkalsrud, and Barker), 201
BARNARD, C. N. (*See* Ackermann, Fisher, and Barnard), 720
BARNETT, WILLIAM O., AND HILBUN, GLYN ROY. Dissolution of human gallstone in the dog's gallbladder after various degrees of vagotomy, 840
—. (*See* Herbst and Barnett), 647
BARZILAI, AMI. (*See* Ritchie et al.), 1224
BAUDRY, FRANK, WIENER, ALFRED, AND HURWITT, ELLIOTT S. Indications for psychiatric consultation on a surgical service, 993
BELIN, ROBERT P. (*See* Griffen, Belin, and Walder), 813
BELL, D. J., AND SCHLOERB, P. R. Cellular response to endotoxin and hemorrhagic shock, 69
BENEVENTANO, THOMAS C. (*See* Schein, Beneventano, and Jacobson), 958
BENNETT, JAMES E. Decompression in constricting burns: a reappraisal, 280
BERKAS, ERNEST M. (*See* Hymes and Berkas), 407
BIBLER, DARREL D., JR., HARKINS, HENRY N., AND NYHUS, LLOYD M. Inhibitory effect of fat in the duodenum and upper small intestine on exogenous gastrin-stimulated gastric secretion, 844
BIRNSTINGL, MARTIN. (*See* Gerbode, Birnstingl, and Braimbridge), 1030
BIRTWELL, WILLIAM C. (*See* Giron et al.), 894

*July, pp. 1-254; August, pp. 255-520; September, pp. 521-782; October, pp. 783-952; November, pp. 953-1124; December, pp. 1125-1318.

BLAIR, CAROLYN S. (*See* Roe et al.), 85
BLAKE, THOMAS M. (*See* Hardy et al.), 980
BLUESTONE, LEON. Pin fixation technique in tendon repair, 506
BLUMBERG, HORST. (*See* Santos et al.), 953
BOGOKOWSKY, HARRY. (*See* Mozes et al.), 790
BOND, T. P. (*See* Larson et al.), 35
BONDOC, C. (*See* Morris, Bondoc, and Burke), 13
BORDER, JOHN R., GALLO, ENRICO, AND SCHENK, WORTHINGTON G. Systemic arteriovenous shunts in patients under severe stress: a common cause of high output cardiac failure? 225
BORUCHOW, IRWIN B., AND ABEL, RONALD M. Role of the spleen and portal hypertension in canine endotoxin shock, 1195
BOWER, J. D., MAGEE, J. H., AND LESTER, R. G. The effect of renal angiography on the normal kidney, 545
BOWERS, RALPH F. Is superspecialization harmful? 1120
BOYDEN, EDWARD A. The pancreatic sphincters of the baboon as revealed by serial sections of the choledochoduodenal junction, 1187
BRADHAM, R. RANDOLPH, SEALY, WILL C., AND YOUNG, W. GLENN. Pulmonary hilar lymphadenectomy following contralateral pneumonectomy, 1066
—. (*See* Zotti et al.), 28
BRAIMBRIDGE, MARK. (*See* Gerbode, Birnstingl, and Braimbridge), 1030
BRAUNWALD, NINA S. (*See* Tatooles and Braunwald), 857
BREWER, PHILIP L. (*See* McGough, Brewer, and Reemtsma), 153
BREWSTER, JANICE. (*See* Trapnell and Howard), 1112
BRICKMAN, ISADORE D., AND LEON, WILLIAM. Acute appendicitis in childhood, 1083
BRICKMAN, ROBERT D. (*See* Rutherford, Mehlman, and Brickman), 159
BRINKLEY, FLOYD B. (*See* Ackerman and Brinkley), 20
BRITT, L. G. (*See* Schapiro, Wruble, and Britt), 1108
BRITTON, RICHARD C. (*See* Price et al.), 701
BRONSTHER, BURTON. (*See* Kenigsberg et al.), 462
BROWN, E. R. (*See* Buinauskas, Brown, and Cole), 902
BROWN, MAYO E. (*See* Norman et al.), 179
BRYAN, JAMES E. (*See* Jackson, Graves, and Bryan), 797
BUINAUSKAS, P., BROWN, E. R., AND COLE, W. H. Antigenic behavior of Walker 256 tumor in Sprague-Dawley rats, 902
BURDICK, CLAUDE O. (*See* Matsumoto et al.), 739
BURKE, JOHN F. (*See* Morris, Bondoc, and Burke), 13
BURKO, HENRY. (*See* Foster et al.), 240
BUTTERFIELD, WILLIAM C. Tumor treatment, 3000 B.C., 476

C

CANADAY, WILLIAM R. (*See* Linn et al.), 891
CARAPISTOLIS, E. (*See* Tountas et al.), 1235
CARDILLO, PETER J., AND DOUGLASS, FREDERICK M. Alternate anatomical approach to caval-mesenteric shunting, 317
CAREY, LARRY C., AND RODGERS, RICHARD E. Pathophysiologic alterations in experimental pancreatitis, 171
—. (*See* Stremple, Ellison, and Carey), 924
CATLIN, D. Surgery for head and neck lymphomas, 1160
CECIL, FRED. (*See* Goldstein et al.), 908
CERILLI, G. JAMES, AND ENGELL, HANS CHRISTIAN. The effect of spinal anesthesia on femoral vein oxygen tension, 668
CHAMBERLAIN, CHARLES D., GANDY, JOE R., AND DENMAN, FRANK R. A simple test for evaluating patency of distal arteries, 976
CHAVEZ, CARLOS M. (*See* Hardy et al.), 361
CHEN, CHIOU-CHIANG. (*See* Lin, Chen, and Liu), 1275
CHEZAR, JOEL. (*See* Jacobson et al.), 219
CHRISPIN, JOHN S. (*See* Eiseman et al.), 1183
CHRISTOPHERSEN, ERLING B., MAY, ALLYN G., DEWEESE, JAMES A., AND ROB, CHARLES G. The hemodynamic effect of low molecular weight dextran in arteries with critical stenosis during acute hemorrhage, 402
CLAGETT, O. THERON. (*See* Laird and Clagett), 465
CODER, DONALD M., MCILRATH, DONALD C., AND HALLENBECK, GEORGE A. Technique for making, in the dog, a vagally innervated gastric pouch which can be explanted, 715
COERS, C. R. (*See* Larson et al.), 35
COFFMAN, JAY D. (*See* Mannick, Jackson, and Coffman), 578
COHN, HERBERT E., AND MOSES, MELVIN. The critical interval in cadaver kidney transplantation: function of canine renal autotransplants after variable periods of ischemia, 750
COLE, W. H. (*See* Buinauskas, Brown, and Cole), 902
COLEMAN, FRANCES, CROWELL, JACK W., SMITH, ELVIN E., AND WILSON, ROBERT M. A hypotonic solution for emergency blood substitution, 392
COLLINS, HAROLD A. (*See* O'Neill et al.), 809
COLLINS, ISABELLA S. (*See* O'Neill et al.), 809
COLLINS, JUDITH A. (*See* Giron et al.), 894
COOMARASWAMY, RAMA P. (*See* Pearlman, Coomaraswamy, and Dargan), 541

CORYLLOS, ELIZABETH. (*See* Kenigsberg et al.), 462

COX, EVERARD F., WOLFEL, DONALD A., AND INGLESBY, THOMAS V. Translumbar aortography: a mechanism of injury—a method of protection, 1146

CREECH, OSCAR, JR., AND KREMENTZ, EDWARD. Techniques of regional perfusion, 938

CROWELL, JACK W. (*See* Coleman et al.), 392

CULBERTSON, W. R. (*See* Altemeier et al.), 191

D

DAIGLE, LORRAINE. (*See* Martin et al.), 420

DALY, JAMES W. (*See* MacVaugh et al.), 547

DANESE, CALLISTO A. (*See* Ersek, Danese, and Howard), 1098

DARGAN, EVERETT L. (*See* Pearlman, Coomaraswamy, and Dargan), 541

DARIN, JOSEPH C. (*See* Evans and Darin), 1026

DA SILVA BASTOS, EURICO. (*See* De Castro Silva, Goffi, and Da Silva Bastos), 1137

DE BAKEY, LOIS. Competent medical exposition: the need and the attainment, 1001

DE BAKEY, MICHAEL E. (*See* Garrett and De Bakey), 283

DE CASTRO SILVA, LUCIANO, GOFFI, FÁBIO SCHMIDT, AND DA SILVA BASTOS, EURICO. An appraisal and comparative study of the measurement of portal pressure by transparietal intrasplenic and intrahepatic manometries, and laparotomy, 1137

DELANEY, JOHN P. (*See* Ritchie et al.), 1224

DENIZE, AUGUSTE. (*See* Furman and Denize), 733

DENMAN, FRANK R. (*See* Chamberlain, Gandy, and Denman), 976

DENNIS, CLARENCE. America's Littlewood crisis: the sentimental threat to animal research, 827

—. "Surgery": what is it? 1123

DETERLING, RALPH A., JR. (*See* Giron et al.), 894

DEWEESE, JAMES A. (*See* Christophersen et al.), 402

DILLEY, RALPH B. (*See* Mulder, Dilley, and Joseph), 142

DIMICK, ALAN R., AND SULLIVAN, M. BRUCE, JR. Bacteremia due to tracheotomy or topical lytic enzymes in burn patients, 1154

DOBELL, A. R. C. (*See* Turnbull and Dobell), 1040

DOLBOW, ANNE. (*See* Tabern, Kearney, and Dolbow), 1058

DOMINGO, RUDOLFO T. (*See* Wesolowski et al.), 288

DOUGLASS, FREDERICK M. (*See* Cardillo and Douglass), 317

DREIFUS, LEONARD S. (*See* Satinsky et al.), 600

DREILING, DAVID A. (*See* Tiscornia and Dreiling), 883, 1077

DUBERNARD, JEAN-MICHEAL. (*See* Retik et al.), 1242

DUPREZ, ANDRE. (*See* Sim, Duprez, and Anderson), 1175

E

EDMONDSON, H. TURNER, JR. Immobilization of skin grafts with perforated plastic sheeting, 1167

EISEMAN, BEN, CRISPIN, JOHN S., TAIT, IVAN B., AND VAN WYK, JOHAN. A disposable liver perfusion chamber, 1183

EISENBERG, M. MICHAEL, EMAS, G. SVERRE, AND GROSSMAN, MORTON I. Comparison of the effect of 2-deoxy-D-glucose and insulin on gastric acid secretion in dogs, 111

ELLIOTT, ROBERT L. Electron microscopic observations on local hypersensitivity of the stomach, 688

ELLIS, DICK G. (*See* Lorimer and Ellis), 470

ELLIS, F. G. A technique for intermittent collection of thoracic duct lymph, 1251

ELLISON, EDWIN H. (*See* Polacek and Ellison), 606

—. (*See* Stremple, Ellison, and Carey), 924

EMAS, G. SVERRE. (*See* Eisenberg, Emås, and Grossman), 111

ENDE, NORMAN. (*See* O'Neill et al.), 809

ENGELL, HANS CHRISTIAN. (*See* Cerilli and Engell), 668

ERAKLIS, ANGELO J., AND GROSS, ROBERT E. Esophageal atresia—management following an anastomotic leak, 919

ERASLAN, SADAN. (*See* Hardy et al.), 361

ERSEK, ROBERT A., DANESE, CALLISTO A., AND HOWARD, JOHN M. Hereditary congenital lymphedema (Milroy's disease), 1098

EVANS, WILLIAM E., AND DARIN, JOSEPH C. Effect of enterectomy in endotoxin shock, 1026

F

FARRINGER, J. L., JR., ROBBINS, L. B., II, AND PICKENS, DAVID R., JR. Abscesses of the pancreas, 964

FERGUSON, DONALD J. Chemotherapy and host resistance to tumors, 725

FILLER, R. M., SLEEMAN, H. K., HENDRY, W. S., AND PULASKI, E. J. Lethal factors in experimental peritonitis, 671

FINGERHUT, AARON. (*See* Alksne, Fingerhut, and Rand), 212

FISHER, A. J. G. (*See* Ackermann, Fisher, and Barnard), 720

FLETCHER, WILLIAM S. (*See* Awe, Fletcher, and Jacob), 232

FONKALSRUD, ERIC W. (*See* Levin, Fonkalsrud, and Barker), 201

—. (*See* Van De Water and Fonkalsrud), 1267

FOSTER, JOHN H., OATES, JOHN A., RHAMY, ROBERT K., KLATTE, EUGENE C., PETTINGER, WILLIAM A., BURKO, HENRY, YOUNGER, RACHEL K., AND SCOTT, H. WILLIAM, JR. Detection and treatment of patients with renovascular hypertension, 240

FRANK, HOWARD. (*See* Friedman, Lambert, and Frank), 386

FRIEDMAN, EDWARD W., LAMBERT, PETER B., AND FRANK, HOWARD A. Vascular connections established by arteries implanted into the lower extremity with plastic sponge as an intermediary, 386

FRIES, CHARLES C. (*See* Wesolowski et al.), 288

FURMAN, SEYMOUR, AND DENIZE, AUGUSTE. Serous membrane regeneration: use of intrapleural liquid silicone, 733

G

GAGE, ANDREW A. Hepatopexy for chronic cirrhotic ascites, 1129

GALL, E. A. (*See* Altemeier et al.), 191

GALLO, ENRICO. (*See* Border, Gallo, and Schenk), 225

GANDY, JOE R. (*See* Chamberlain, Gandy, and Denman), 976

GANS, HENRY. Preservation of vascular patency as a function of reticuloendothelial clearance, 1216

GARRETT, H. EDWARD, AND DE BAKEY, MICHAEL E. Distal posterior tibial artery bypass with autogenous vein graft: a report of three cases, 283

GEEVER, E. F., LEVENSON, S. M., AND MANNER, G. The role of noncollagenous substances in the breaking strength of experimental wounds, 343

GER, RALPH. Palpation of the popliteal pulse, 615

GERBODE, FRANK, BIRNSTINGL, MARTIN, AND BRAIMBRIDGE, MARK. Experimental hypertrophic osteoarthropathy, 1030

GETZEN, LINDSAY, C., AND JANSEN, GEORGE A. Correlation between allergy to suture material and postoperative wound infections, 824

GILLIE, EDWARD. (*See* Weslowski et al.), 288

GIRON, FABIO, BIRTWELL, WILLIAM C., SOROFF, HARRY, RUIZ, ULISES, COLLINS, JUDITH A., AND DETERLING, RALPH A., JR. Assisted circulation by synchronous pulsation of extramural pressure, 894

GLENN, WILLIAM W. L. (*See* Anagnostopoulos and Glenn), 480

GLUCKSMAN, DONALD L. Serosal integrity and intestinal adhesions, 1009

—, KALSER, MARTIN H., AND WARREN, W. DEAN. Small intestinal absorption in the immediate postoperative period, 1020

—, AND WARREN, W. DEAN. The effect of topically applied corticosteroids in the prevention of peritoneal adhesions, 352

GOFFI, FÁBIO SCHMIDT. (*See* De Castro Silva, GOFFI, AND DA SILVA BASTOS), 1137

GOLD, S. R. (*See* Rosen and Gold), 340

GOLDBERG, MICHAEL J. (*See* Roe et al.), 85

GOLDSTEIN, HAROLD S., KREDI, RAMON, CECIL, FRED, AND WOLCOTT, MARK W. Drains at the suture line, 908

GONZALEZ, E. BENGOECHEA. (*See* Janczakowski and Gonzalez), 879

GOODMAN, JULIUS, M. (*See* Mealey, Goodman, and Hockey), 617

GORDON, H. EARL. (*See* Schneiweiss,Hadsall, and Gordon), 628

GRAIVIER, LEONARD, AND SIEBER, WILLIAM K. Hirschsprung's disease and Mongolism, 458

GRAVES, STUART. (*See* Jackson, Graves, and Bryan) 797

GREEN, GEORGE E. Anatomical relationships in lymph node dissection of the neck, 978

—, AND SOM, MAX L. Free grafting and revascularization of intestine. I. Replacement of the cervical esophagus, 1012

—, AND —. Free grafting and revascularization of intestine. II. Partial replacement of the oropharynx, 1017

GRIFFEN, WARD O., JR., BELIN, ROBERT P., AND WALDER, ARNOLD I. Traumatic aneurysm of the abdominal aorta, 813

GROSS, ROBERT E. (*See* Eraklis and Gross), 919

GROSSMAN, MORTON I. (*See* Eisenberg, Emås, and Grossman), 111

GROSZ, CARL, AKA, EDIP, ZIMMER, JERALD, AND ALTERWEIN, ROY. The effect of intraperitoneal fluids on the prevention of experimental adhesions, 1232

GUGUSHVILI, L. L. (*See* Petrov and Gugushvili), 373

GUIDA, PETER M., AND MOORE, S. W. Aneurysm of the hepatic artery. Report of five cases with a brief review of the previously reported cases, 299

H

HADSALL, FRANKLIN. (*See* Schneiweiss, Hadsall, and Gordon), 628

HAFT, HAROLD, AND SHENKIN, HENRY A. Herniated lumbar intervertebral disks with unilateral pain and midline myelographic defects, 269

—. (*See* Shenkin and Haft), 274

HALASZ, NICHOLAS A., SEIFERT, LAWRENCE N., AND ORLOFF, MARSHALL J. Whole organ preservation. I. Organ perfusion studies, 368

HALD, TAGE, AGRAWAL, GIRDHAR, AND KANTROWITZ, ADRIAN. Studies in stimulation of the bladder and its motor nerves, 848

HALLENBECK, GEORGE A. (*See* Coder, McIlrath, and Hallenbeck), 715

HARA, MASAUKI, AND WILLIAMS, G. DOYNE. Multiple arterial emboli, 804

HARDY, JAMES D. The surgical teacher's responsibility in the training of the modern surgeon, 1289

—, CHAVEZ, CARLOS M., ERASLAN, SADAN, ADKINS, JERRY R., AND WILLIAMS, ROBERT D. Heart transplantation in dogs. Procedures, physiologic problems, and results in 142 experiments, 361

—, TIMMIS, HILARY H., WEBB, WATTS R., WATSON, DAVID G., AND BLAKE, THOMAS M. Isolated pulmonic stenosis: surgical results in 26 cases, 980

HARKINS, HENRY N. (*See* Bibler, Harkins, and Nyhus), 844

HARVEY, ROBERT. (*See* Martin et al.), 420

HATANO, SHIGERU. (*See* Idezuki et al.), 566

HAUPT, GEORGE J. (*See* MacVaugh et al.), 547

HEALY, MARTIN. (*See* Reich et al.), 1211

HEISTERKAMP, CHARLES A., III. (*See* Matsumoto et al.), 739

HENDRY, W. S. (*See* Filler et al.), 671

HENNESSY, ROBERT G., THOMPSON, RAYMOND K., AND ARNOLD, JAMES G., JR. A method of secondary closures for infected surgical wounds with Eastman 910 monomer, 744

HERBST, CHARLES A., JR., AND BARNETT, WILLIAM O. The influence of gastric devascularization upon ulceration of interposed loops of ileum, 647

HERRMANN, THOMAS J., TAYLOR, PAUL D., MARCHIORO, THOMAS L., AND STARZL, THOMAS E., Oxygen and CO_2 content in the splanchnic and nonsplanchnic blood of dogs with portacaval transposition, 1229

HERTZ, RALPH E. (*See* Spiro and Hertz), 590

HESTER, WILLIAM J. (*See* Retik et al.), 1242

HEUSINKVELD, DAVID W. Is there an "irreducible minimum" rate of wound infection? 821

HILBUN, GLYN ROY. (*See* Barnett and Hilbun), 840

HIRAI, HIROKI, AUSTEN, W. GERALD, AND MARK, VERNON H. Profound cerebral hypothermia produced by ventricular cooling: an adjunct to neurosurgical hemostasis, 710

HOCKEY, ARTHUR A. (*See* Mealey, Goodman, and Hockey), 617

HOLDER, THOMAS M., AND PELTIER, LEONARD F. Symphysiotomy for exposure in resection of pelvic tumors, 819

HOLMES, ROBERT H. (*See* Matsumoto et al.), 739

HOWARD, JOHN M. (*See* Ersek, Danese, and Howard), 1098

—. (*See* Trapnell and Howard), 1112

HOWE, CHESTER W. Experimental studies on determinants of wound infection. II, 1072

HUDOCK, JOHN J., VANAMEE, PARKER, AND LAWRENCE, WALTER, JR. The effect of methyl dopa upon pancreatic secretory response to intrajejunal hypertonic glucose solution, 443

HUGGINS, CHARLES E. Frozen blood–clinical experience, 77

HUMMEL, ROBERT P. (*See* Altemeier and Hummel), 495

HUMPHREY, E. W. Cell permeability change during growth, 411

HURWITT, ELLIOTT S. (*See* BAUDRY, WIENER, AND HURWITT), 993

HYMES, ALAN C., AND BERKAS, ERNEST M. Heat exchange within a bubble oxygenator, 407

I

IDEZUKI, YASUO, SUGIURA, MITSUO, HATANO, SHIGERU, AND KIMOTO, SEIJI. Hepatography for detection of small tumor masses in liver: experiences with oily contrast medium, 566

INGE, W. W. (*See* Altemeier et al.), 191

INGLESBY, THOMAS V. (*See* Cox, Wolfel, and Inglesby), 1146

INGLIS, FRED G. (*See* Shibata et al.), 329

INOKUCHI, KIYOSHI, AND ONO, KEIJI. Experimental venous replacement by transplanted synthetic grafts, 862

J

JACKSON, BENJAMIN B., GRAVES, STUART, AND BRYAN, JAMES E. Thrombointimectomy of recurrent venous thrombosis, 797

—. (*See* Mannick, Jackson, and Coffman), 578

JACOB, STANLEY W. (*See* Awe, Fletcher, and Jacob), 232

JACOBSON, HAROLD G. (*See* Schein, Beneventano, and Jacobson), 958

JACOBSON, JULIUS H., CHEZAR, JOEL, WANG, MICHAEL C. H., AND REICH, THEOBALD. Implantable arterial patency detector, 219

—, MOODY, ROBERT A., KUSSEROW, BERT K., REICH, THEOBALD, AND WANG, MICHAEL C. H. The tissue response to a plastic adhesive used in combination with microsurgical technique in reconstruction of small arteries, 379

—. (*See* Reich et al.), 1211

JAFFE, BURTON F. (*See* Silen, Peloso, and Jaffe), 127
JANCZAKOWSKI, WLODZIMIERZ J., AND GONZALEZ, E. BENGOECHEA. Diffusion of nitrogen mustard into the lymphatic system during isolated perfusion, 879
JANSEN, GEORGE A. (*See* Getzen and Jansen), 824
JIMENEZ, JOSE (*See* Linn et al.), 891
JOHNSTON, J. BRUCE (See Wright and Johnston), 1036
JOSEPH, WILLIAM L. (*See* Mulder, Dilley, and Joseph), 142
JUDD, EDWARD S. Surgical progress in the management of chronic ulcerative colitis, 783
JUVARA, I., AND PRISCU, A. Primary congenital diaphragmatic tumors, 255

K

KAHN, DONALD R., KIRSH, MARVIN M., LENNOX, STUART C., SLOAN, HERBERT, AND PENNER, JOHN A. Embolism and the mitral valve, 136
KAHN, FREDERICK H. (*See* Morgenstern, Kahn, and Weinstein), 336
KALSER, MARTIN H. (*See* Glucksman, Kalser, and Warren), 1020
KANTROWITZ, ADRIAN. (*See* Hald, Agrawal, and Kantrowitz), 848
KARL, R. C. (*See* Veith, Nehlsen, and Karl), 699
KAWABE, KAZUKI, AND SOKABE, HIROFUMI. Renin content of the kidney in renal and adrenal diseases associated with hypertension, 986
KEARNEY, JOHN. (*See* Tabern, Kearney, and Dolbow), 1058
KEDDIE, N. C., PROVAN, J. L., AND AUSTEN, W. G. Central venous pressure, blood volume determinations, and the effects of vasoactive drugs in hypovolemic shock, 427
KEMPSON, RICHARD L. (*See* Walker et al.), 449
KENIGSBERG, KENNETH, BRONSTHER, BURTON, ABRAMS, MARTIN W., AND CORYLLOS, ELIZABETH. A staged procedure of the Duhamel type for the correction of a poorly functioning Swenson pull-through, 462
KETOLA, FABIAN H. (*See* Baffes et al.), 319
KIMOTO, SEIJI. (*See* Idezuki et al.), 566
KINNEY, JOHN M. (*See* Roe et al.), 85
KIRIAKOU, K. (*See* Tountas et al.), 1235
KIRSCHNER, PAUL A. Cervicomediastinal cystic hygroma: one-stage excision in an eight-week-old infant, 1104
KIRSH, MARVIN M. (*See* Kahn et al.), 136
KIVIRAND, A. I. (*See* Takaro and Kivirand), 619
KLATTE, EUGENE C. (*See* Foster et al.), 240
KOLFF, W. J. (*See* Sarin et al.), 754
KOONTZ, PAUL. (*See* Markowitz and Koontz), 761
KOTTMEIER, PETER K. A physiological approach to the problem of anal incontinence through use of the levator ani as a sling, 1262
KOUCKEY, CHARLES J. (*See* Milles, Koucky, and Zacheis), 434
KREDI, RAMON. (*See* Goldstein et al.), 908
KREMENTZ, EDWARD. (*See* Creech and Krementz), 938
KUEHN, KENNETH W., AND LASKIN, DANIEL M. Stimulation of growth in dog long bones by an induced electromotive force, 1254
KURZWEG, FRANK T. (*See* Martin et al.), 420
KUSSEROW, BERT K. (*See* Jacobson et al.), 379

L

LAIRD, C. ANDREW, AND CLAGETT, O. THERON. Mediastinal pseudocyst of the pancreas in a child: report of a case, 465
LAMBERT, PETER B. (*See* Friedman, Lambert, and Frank), 386
LANDOR, JOHN H. Evidence for gastrin release by the unstimulated, isolated antral pouch, 641
LARSEN, GORDON L. Limitations of roentgenographic examination in the diagnosis of infantile hypertrophic pyloric stenosis, 768
LARSON, D. L., BOND, T. P., RODIN, A. E., COERS, C. R., AND LEWIS, S. R. Clinical and experimental obstruction of the thoracic duct, 35
LASKIN, DANIEL M. (*See* Kuehn and Laskin), 1254
LAWRENCE, WALTER, JR. (*See* Hudock, Vanamee, and Lawrence), 443
LENNOX, STUART C. (*See* Kahn et al.), 136
LEON, WILLIAM. (*See* Brickman and Leon), 1083
LESAGE, ALAN M. (*See* Zotti et al.), 28
LESTER, R. G. (*See* Bower, Magee, and Lester), 545
LEVENSON, S. M. (*See* Geever, Levenson, and Manner), 343
LEVIN, PHILLIP, FONKALSRUD, ERIC W., AND BARKER, WILEY F. Surgical treatment for pediatric ulcerative colitis, 201
LEWIS, S. R. (*See* Larson et al.), 35
LIN, TIEN-YU, CHEN, CHIOU-CHIANG, LIU, WEN-PIN. Primary carcinoma of the liver in infancy and childhood: report of 21 cases, with resection in 6 cases, 1275
LINN, BERNARD S., JIMENEZ, JOSE, CANADY, WILLIAM R., AND WOLCOTT, MARK W. Fredet-Ramstedt pyloroplasty to complement vagotomy, 891
LIPPITT, W. H., SU, C. T., AND PRINCE, C. L. Ureteroileostomy: a community hospital experience, 585

LISTER, JULIUS, MAUNG, S. WIN, AND ALTMAN, R. PETER, with the technical assistance of HANNE MULLER. Factors influencing homeostatic responses to hemorrhage, 43

LIU, WEN-PIN. (*See* Lin, Chen, and Liu), 1275

LORIMER, W. S., JR., AND ELLIS, DICK. Meconium peritonitis, 470

LOWICKI, EDWARD M. Surgical stenosis of the inferior vena cava in prevention of pulmonary emboli: experimental studies and report of a clinical case, 633

LUCAS, CHARLES E., AND READ, RAYMOND C. Vascular hypertonicity. A mechanism for vasodilation in the dumping syndrome, 395

LYONS, JOHN H., JR., AND MOORE, FRANCIS D. Posttraumatic alkalosis: incidence and pathophysiology of alkalosis in surgery, 93

M

MACALALAD, FIDEL. (*See* Preston et al.), 1203

MCCULLOUGH, WILLIAM. (*See* Price et al.), 701

MCDERMOTT, WILLIAM V., JR. (*See* Norman et al.), 179

MCGOUGH, EDWIN C., BREWER, PHILIP L., AND REEMTSMA, KEITH. The parallel heart: studies of intrathoracic auxiliary cardiac transplants, 153

MCILRATH, DONALD C. (*See* Coder, McIlrath, and Hallenbeck), 715

MCLEON, PETER. (*See* Shibata et al.), 329

MCMAHON, JAMES D. (*See* Martinez, McMahon, and Wesolowski), 1282

—. (*See* Weslowski et al.), 288

MACVAUGH, HORACE, III, HAUPT, GEORGE J., MYERS, RICHARD N., AND DALY, JAMES W. Traumatic hemobilia, 547

MADDEN, JOHN W. (*See* Peacock and Madden), 7

MAGEE, J. H. (*See* Bower, Magee, and Lester), 545

MAHORNER, HOWARD. Technique of thrombectomy for massive venous thrombosis, 773

MANNER, G. (*See* Geever et al.), 343

MANNICK, JOHN A., JACKSON, BENJAMIN T., AND COFFMAN, JAY D. Hemodynamics of arterial surgery in atherosclerotic limbs. II. Comparison of intraoperative arterial pressure and flow with pre- and postoperative exercise blood flow, 578

MARCHIORO, THOMAS L. (*See* Herrmann et al.), 1229

MARGOLESE, RICHARD. A method for central venous pressure measurement, 1285

MARGOLIN, J. M. (*See* Rath et al.), 1271

MARK, VERNON H. (*See* Hirai, Austen, and Mark), 710

MARKOWITZ, ALFRED M., AND KOONTZ, PAUL. The development of colonic polyps at the site of ureteral implantation, 761

MARSELOS, A. (*See* Tountas et al.), 1235

MARTIN, DANIEL S., KURZWEG, FRANK T., AMOR, RAMON L., HARVEY, ROBERT, AND DAIGLE, LORRAINE. Multiantagonist and volume therapy for late endotoxin shock, 420

MARTINEZ, ALFRED, MCMAHON, JAMES D., AND WESOLOWSKI, SIGMUND A. The straight myocardial electrode path, 1282

—. (*See* Wesolowski et al.), 288

MASON, EDWARD E. Splenectomy and side-to-side splenorenal shunt for portal hypertension, 536

MASSIE, HAROLD L. (*See* Satinsky et al.), 600

MATSUMOTO, TERUO, HOLMES, ROBERT H., BURDICK, CLAUDE O., HEISTERKAMP, CHARLES A., III, AND O'CONNELL, THOMAS J., JR. The fate of the inverted segment of small bowel used for the replacement of major veins, 739

MAY, ALLYN G. (*See* Christopherson et al.), 402

MEALEY, JOHN, JR., GOODMAN, JULIUS M., AND HOCKEY, ARTHUR A. A microinfusion technique for intracarotid chemotherapy of brain tumors, 617

MEHLMAN, BEN. (*See* Rutherford, Mehlman, and Brickman), 159

MENENDEZ, CHARLES V. Y-shaped venous patch graft for endarterectomy of bifurcation, 286

MENGUY, RENE. Meeting of the Society of University Surgeons, Milwaukee, Wis., Feb. 10-12, 1966, 253

MEYEROWITZ, BASIL R. Pulmonary embolism in surgical patients: is embolectomy superior to prophylaxis, 521

MILLES, GEORGE, KOUCKY, CHARLES J., AND ZACHEIS, H. GALE. Experimental uncontrolled arterial hemorrhage, 434

MITTELPUNKT, ALLEN, AND NORA, PAUL F. Current features in the treatment of acute appendicitis: an analysis of 1,000 consecutive cases, 971

MOLINA, ERNESTO. (*See* Ritchie et al.), 1224

MOODY, ROBERT A. (*See* Jacobson et al.), 379

MOORE, FRANCIS D. (*See* Lyons and Moore), 93

MOORE, S. W. (*See* Guida and Moore), 299

MOOS, DANIEL J. (*See* Zierold and Moos), 511

MORENO, IVAN GOÑI. Why not routinely explore the entire peritoneal cavity as the first step in any abdominal exploration? 517

MORGENSTERN, LEON, KAHN, FREDERICK H., AND WEINSTEIN, IRWIN M. Subtotal splenectomy in myelofibrosis, 336

MORRIS, PETER J., BONDOC, C., AND BURKE, JOHN F. The use of frequently changed skin allografts to promote healing in the nonhealing infected ulcer, 13

MOSES, MELVIN. (*See* Cohn and Moses), 750

MOZES, MARK, BOGOKOWSKY, HARRY, ANTEBI, ELIAHU, TZUR, NATHANEL, AND PENCHAS, SAMUEL. Inferior vena cava ligation for pulmonary embolism: review of 118 cases, 790

MULDER, DONALD G., DILLEY, RALPH B., AND JOSEPH, WILLIAM L. Surgical management of aneurysms of the thoracic aorta, 142

MULLER, HANNE. (*See* Lister, Maung, and Altman), 43

MURRAY, JOSEPH E. (*See* Retik et al.), 1242

MYERS, RICHARD N. (*See* MacVaugh et al.), 547

N

NEHLSEN, S. L. (*See* Veith, Nehlsen, and Karl), 699

NICE, CHARLES M., JR. Controlled small bowel roentgen study, 519

NIGNONE, ROBERT. (*See* Zotti et al.), 28

NORA, PAUL F. (*See* Mittelpunkt and Nora), 971

NORMAN, JOHN C., SARAVIS, CALVIN A., BROWN, MAYO E., AND MCDERMOTT, WILLIAM V., JR. Immunochemical observations in clinical heterologous (xenogeneic) liver perfusions, 179

NYHUS, LLOYD. (*See* Bibler, Harkins, and Nyhus), 844

O

OATES, JOHN A. (*See* Foster et al.), 240

OCHSNER, ALTON. Pulmonary embolism, 950

O'CONNELL, THOMAS J., JR. (*See* Matsumoto et al.), 739

O'NEILL, JAMES A., JR., ENDE, NORMAN, COLLINS, ISABELLA S., AND COLLINS, HAROLD A. A quantitative determination of perfusion fibrinolysis, 809

ONO, KEIJI. (*See* Inokuchi and Ono), 862

ORLOFF, MARSHALL J. (*See* Halasz, Seifert, and Orloff), 368

P

PARKER, DONALD. (*See* Baffes, Parker, and Agustsson), 679

PAUL, ROBERT E., JR. (*See* Rheinlander, Tanabe, and Paul), 1044

PEACOCK, ERLE E., AND MADDEN, JOHN W. Some studies on the effect of β-aminopropionitrile on collagen in healing wounds, 7

PEARLMAN, DONALD M., COOMARASWAMY, RAMA P., AND DARGAN, EVERETT L. Blood ammonia levels in the inferior vena cava: a simple test of portacaval shunt patency, 541

PEER, PAT. (*See* Seneca and Peer), 652

PELOSO, OLE. (*See* Silen, Peloso, and Jaffe), 127

PELTIER, LEONARD F. (*See* Holder and Peltier), 819

PENCHAS, SAMUEL. (*See* Mozes et al.), 790

PENN, ISRAEL. (*See* Suzuki and Penn), 867

PENNER, JOHN A. (*See* Kahn et al.), 136

PERRY, JOHN F., JR. Hemorrhage and death in the receiving room, 778

PETERSON, LYNN. (*See* Price et al.), 701

PETROV, A., AND GUGUSHVILI, L. L. Retrograde venous circulation and portacaval anastomosis, 373

PETTINGER, WILLIAM A. (*See* Foster et al.), 240

PICKENS, DAVID R., JR. (*See* Farringer, Robbins, and Pickens), 964

POLACEK, MICHAEL A., AND ELLISON, EDWIN H. Parietal cell mass and gastric acid secretion in the Zollinger-Ellison syndrome, 606

POWERS, SAMUEL R., JR. (*See* Shoemaker and Powers), 118

PRESTON, FREDERICK W., MACALALAD, FIDEL, WACHOWSKI, TED J., RANDOLPH, DAVID A., AND APOSTOL, JAMES V. Survival of homografts of the intestine with and without immunosuppression, 1203

PRICE, JOHN B., JR., MCCULLOUGH, WILLIAM, PETERSON, LYNN, BRITTON, RICHARD C., AND VOORHEES, ARTHUR B. Determinants of ammonia tolerance in animals with and without portal systemic shunting, 701

PRIEBE, CEDRIC J., JR. Sacrococcygeal teratoma in a newborn girl with massive intra-abdominal extension: combined abdominosacral approach, 1090

PRINCE, C. L. (*See* Lippitt, Su, and Prince), 585

PRISCU, A. (*See* Juvara and Prişcu), 25

PROVAN, J. L. (*See* Keddie et al.), 427

PUENTE, SERGIO. (*See* Santos et al.), 953

PULASKI, E. J. (*See* Filler et al.), 671

Q

QUAN, STUART H. Q. Cul-de-sac smears; a follow-up study, 1170

R

RACINE, PHILLIP. (*See* Satinsky et al.), 600

RAIA, SILVANO. Percutaneous cholangiography and simultaneous duodenography, 1125

RAND, ROBERT. (*See* Alksne, Fingerhut, and Rand), 212

RANDOLPH, DAVID A. (*See* Preston et al.), 1203

RATH, HANS, RATH, OTTO, MARGOLIN, J. M., AND SCHENKEN, JERALD. Intestinal gangrene with infantile diarrhea: survival following resection and ileorectostomy, 1271

RATH, OTTO. (*See* Rath et al.), 1271

READ, RAYMOND C. (*See* Lucas and Read), 395

REEMTSMA, KEITH. (*See* McGough, Brewer, and Reemtsma), 153

REICH, THEOBALD, REYNOLDS, BENEDICT M., HEALY, MARTIN, WANG, MICHAEL C. H., AND JACOBSON, JULIUS H. Detection of venous thrombosis in the human by means of radioiodinated antifibrin-fibrinogen, 1211
—. (*See* Jacobson et al.), 219, 379
RETIK, ALAN B., DUBERNARD, JEAN-MICHEAL, HESTER, WILLIAM J., AND MURRAY, JOSEPH E. A study of the effects of intra-arterial immunosuppressive drug therapy on canine renal allografts, 1242
REYNOLDS, BENEDICT M. (*See* Reich et al.), 1211
REYNOLDS, LUTHER. (*See* Satinsky et al.), 600
RHAMY, ROBERT K. (*See* Foster et al.), 240
RHEINLANDER, HAROLD F., TANABE, TATSUZO, AND PAUL, ROBERT E., JR., Selective infusion of bronchial arteries with mechlorethamine in dogs, 1044
RITCHIE, WALLACE P., DELANEY, JOHN P., BARZILAI, AMI, MOLINA, ERNESTO, AND WANGENSTEEN, OWEN H. Histological differences between Heidenhain pouches and their parent stomachs, 1224
ROB, CHARLES, AND SNYDER, MARK. Chronic intestinal ischemia: a complication of surgery of the abdominal aorta, 1141
—. (*See* Christophersen et al.), 402
ROBB, SIR DOUGLAS. Paduan predecessors, 1287
—. The surgeon among doctors, 948
ROBBINS, L. B., II. (*See* Farringer, Robbins, and Pickens), 964
RODGERS, RICHARD E. (*See* Carey and Rodgers), 171
RODIN, A. E. (*See* Larson et al.), 35
ROE, C. FRANCIS, GOLDBERG, MICHAEL J., BLAIR, CAROLYN S., AND KINNEY, JOHN M. The influence of body temperature on early postoperative oxygen consumption, 85
ROSEN, A. D., AND GOLD, S. R. An inexpensive pressure injector, 340
ROYLE, JOHN P. Autogenous vein bypass: an improved technique, 795
RUDE, W. J. (*See* Sako and Rude), 802
RUIZ, ULISES. (*See* Giron et al.), 894
RUTHERFORD, ROBERT B., MEHLMAN, BEN, AND BRICKMAN, ROBERT D. Regional contributions to portal blood histamine in the dog, 159

S

SAKO, Y., AND RUDE, W. J. Biconcave Silastic rubber plug for securing of atrial drainage catheters during cardiopulmonary bypass, 802
SALMON, PETER A. Carcinoma of the pancreas and extrahepatic biliary system, 554
SANTOS, MANUEL, PUENTE, SERGIO, VENEGAS, MARIO, AND BLUMBERG, HORST. Postbiliary surgery syndrome, 953
SARAVIS, CALVIN A. (*See* Norman et al.), 179
SARIN, C. L., SENGUPTA, A., TAYLOR, H. P., AND KOLFF, W. J. Further development of an artificial placenta with the use of membrane oxygenator and venovenous perfusion, 754
SATINSKY, VICTOR, DREIFUS, LEONARD S., RACINE, PHILLIP, MASSIE, HAROLD L., AND REYNOLDS, LUTHER. Cardiac pacing by means of electrical energy derived directly from the heart, 600
SAUVAGE, LESTER R., AND WOOD, STEPHEN J. Unilateral axillary bilateral femoral bifurcation graft: a procedure for the poor risk patient with aortoiliac disease, 573
SAWYER, PHILIP N. (*See* Wesolowski et al.), 288
SCHAEFER, HAROLD C. (*See* Wesolowski et al.), 288
SCHAPIRO, H., WRUBLE, L. D., AND BRITT, L. G. The possible mechanism of alcohol in the production of acute pancreatitis, 1108
SCHEIN, CLARENCE J., BENEVANTANO, THOMAS C., AND JACOBSON, HAROLD G. Choledochoduodenostomy—roentgen considerations, 958
SCHENK, WORTHINGTON G. (*See* Border, Gallo, and Schenk), 225
SCHENKEN, JERALD. (*See* Rath et al.), 1271
SCHLOERB, P. R. (*See* Bell and Schloerb), 69
SCHNEIWEISS, ROBERT, HADSALL, FRANKLIN, AND GORDON, H. EARL. Prevention of hypotension following release of aortic occlusion, 628
SCOTT, H. WILLIAM, JR. (*See* Foster et al.), 240
SEALY, WILL C. (*See* Bradham, Sealy, and Young), 1066
—. (*See* Zotti et al.), 28
SEIFERT, LAWRENCE N. (*See* Halasz, Seifert, and Orloff), 368
SENECA, HARRY, AND PEER, PAT. Drug susceptibility of pathogens of urinary system: changing patterns, 652
SENGUPTA, A. (*See* Sarin et al.), 754
SHENKIN, HENRY A., AND HAFT, HAROLD. Foraminotomy in the surgical treatment of herniated lumbar disks, 274
—. (*See* Haft and Shenkin), 269
SHIBATA, HENRY R., MCLEAN, PETER, VEZINA, JEAN L., INGLIS, FRED G., AND TABAH, EDWARD J. Axillary lymphography in carcinoma of the breast, 329
SHOEMAKER, CHARLES P., JR., AND POWERS, SAMUEL R., JR. The absence of large functional arteriovenous shunts in the stomach of the anesthetized dog, 118
SIEBER, WILLIAM K. (*See* Graivier and Sieber), 458
SILEN, WILLIAM, PELOSO, OLE, AND JAFFE, BURTON F. Kinetics of intestinal epithelial proliferation: effect of vagotomy, 127

SIM, DAVID N., DUPREZ, ANDRE, AND ANDERSON, MARION C. Alterations of the lymphatic circulation during acute experimental pancreatitis, 1175
SLEEMAN, H. K. (*See* Filler et al.), 671
SLOAN, HERBERT. (*See* Kahn et al.), 136
SMALL, MICHAEL L. A standardized experimental preparation of cardiogenic shock, 1051
SMITH, ELVIN. (*See* Coleman et al.), 392
SNYDER, MARK. (*See* Rob and Snyder), 1141
SOKABE, HIROFUMI. (*See* Kawabe and Sokabe), 986
SOM, MAX L. (*See* Green and Som), 1012, 1017
SONNELAND, JOHN. The capture of fistulous fluids, 598
SOROFF, HARRY S. (*See* Giron et al.), 894
SPIRO, RONALD H., AND HERTZ, RALPH E. Colostomy perforation, 590
STACHER, GEORG. (*See* White, Stacher, and Tea), 107
STARZL, THOMAS E. (*See* Herrmann et al.), 1229
STREMPLE, JOHN F., ELLISON, EDWIN H., AND CAREY, LARRY C. Osmolar diuresis: success and/or failure. A collective review, 924
SU, C. T. (*See* Lippitt, Su, and Prince), 585
SUGIURA, MITSUO. (*See* Idezuki et al.), 566
SULLIVAN, M. BRUCE, JR. (*See* Dimick and Sullivan), 1154
SUZUKI, MAMORU, AND PENN, ISRAEL. The effect of therapeutic agents upon the microcirculation during general hypothermia, 867

T

TABAH, EDWARD J. (*See* Shibata et al.), 329
TABERN, D. L., KEARNEY, JOHN, AND DOLBOW, ANNE. Experimental studies on thermal measurements over animal and human tumors, 1058
TAIT, IVAN B. (*See* Eiseman et al.), 1183
TAKARO, TIMOTHY, AND KIVIRAND, A. I. Experimental renal phlebography. A comparison with renal arteriography, 619
TAMONEY, HARRY J., JR. Transverse incisions for radical neck dissection, 260
TANABE, TATSUZO. (*See* Rheinlander, Tanabe, and Paul), 1044
TATOOLES, CONSTANTINE J., AND BRAUNWALD, NINA S. The use of crosslinked gelatin as a tissue adhesive to control hemorrhage from liver and kidney, 857
TAYLOR, H. P. (*See* Sarin et al.), 754
TAYLOR, PAUL D. (*See* Herrmann et al.), 1229
TEA, JESUS PANG TAY. (*See* White, Stacher, and Tea), 107
TERNBERG, JESSIE L. (*See* Walker, Kempson, and Ternberg), 449
THAL, ALAN P. (*See* Arbulu and Thal), 60
THOMPSON, RAYMOND K. (*See* Hennessy, Thompson, and Arnold), 744
TIMMIS, HILARY H. (*See* Hardy et al.), 980
TISCORNIA, OSWALDO M., AND DREILING, DAVID A. The effect of hypophysectomy on canine pancreatic function, 883
—, AND —. Microsurgical ablation of the canine pituitary gland, 1077
TOOLE, H. Is the present state of relations between surgeons satisfactory, and what can be done to improve it? 780
TOUNTAS, C., KIRIAKOU, K., MARSELOS, A., AND CARAPISTOLIS, E. Local intra-arterial infusion of antienzymes in the treatment of acute pancreatitis, 1235
TRAPNELL, JOHN E., AND HOWARD, JOHN M., with the technical assistance of BREWSTER, JANICE. Transduodenal pancreatography: An improved technique, 1112
TURNBULL, A. D., AND DOBELL, A. R. C. The effect of pH change on the ventricular fibrillation threshold, 1040
TZUR, NATHANEL. (*See* Mozes et al.), 790

V

VANAMEE, PARKER. (*See* Hudock, Vanamee, and Lawrence), 443
VAN DE WATER, JOSEPH M., AND FONKALSRUD, ERIC, W. Adrenal cysts in infancy, 1267
VAN WYK, JOHAN. (*See* Eiseman et al.), 1183
VEITH, F. J., NEHLSEN, S. L., AND KARL, R. C. Technique for separate collection of urine from individual canine kidneys, 699
VENEGAS, MARIO. (*See* Santos et al.), 953
VEZINA, JEAN L. (*See* Shibata et al.), 329
VOLLENWEIDER, E. ROBERTO. The use of gastropexy in the management of esophageal hiatus hernia, 264
VOORHEES, ARTHUR B. (*See* Price et al.), 701

W

WACHOWSKI, TED J. (*See* Preston et al.), 1203
WAIBEL, PETER P., AND WOLFF, G. The collateral circulation in occlusions of the femoral artery: an experimental study, 912
WAITE, JOHN H. Use of a silicone spray to disperse and prevent foaming in thoracotomy drainage jars, 817
WALDER, ARNOLD I. (*See* Griffen, Belin, and Walder), 813
WALKER, ANDREW W., KEMPSON, RICHARD L., AND TERNBERG, JESSIE L. Aganglionosis of the small intestine, 449
WANG, MICHAEL C. H. (*See* Jacobson et al.), 219, 379
—. (*See* Reich et al.), 1211
WANGENSTEEN, OWEN H. (*See* Ritchie et al.), 1224
WARREN, W. DEAN. (*See* Glucksman, Kalser, and Warren), 1020
—. (*See* Glucksman and Warren), 352
WATSON, DAVID G. (*See* Hardy et al.), 980

WEBB, WATTS R. (*See* Hardy et al.), 980
WEINSTEIN, IRWIN M. (*See* Morgenstern, Kahn, and Weinstein), 336
WESOLOWSKI, SIGMUND A., MARTINEZ, ALFRED, DOMINGO, RUDOLFO, FRIES, CHARLES C., SCHAEFER, HAROLD C., SAWYER, PHILIP N., GILLIE, EDWARD, AND MCMAHON, JAMES D. Indications for aortofemoral arterial reconstruction: a study of borderline risk patients, 288
—. (*See* Martinez, McMahon, and Wesolowski), 1282
WHITE, THOMAS TAYLOR, STACHER, GEORG, AND TEA, JESUS PANG TAY. Heidenhain pouch hypersecretion after intraduodenal injection of pancreatic juice, 107
WIENER, ALFRED. (*See* Baudry, Wiener, and Hurwitt), 993
WILLIAMS, G. DOYNE. (*See* Hara and Williams), 804
WILLIAMS, ROBERT D. (*See* Hardy et al.), 361
WILSON, ROBERT M. (*See* Coleman et al.), 392
WIN, MAUNG S. (*See* Lister, Maung, and Altman), 43
WOLCOTT, MARK W. (*See* Goldstein et al.), 908
—. (*See* Linn et al.), 891
WOLFEL, DONALD A. (*See* Cox, Wolfel, and Inglesby), 1146
WOLFF, G. (*See* Waibel and Wolff), 912
WOOD, MACDONALD. Penetrating wounds of the vena cava, recommendations for treatment, 311
WOOD, STEPHEN J. (*See* Sauvage and Wood), 573
WRIGHT, JOHN S., AND JOHNSTON, J. BRUCE. Thrombosis on graphite-coated prostheses, 1036
WRUBLE, L. D. (*See* Schapiro, Wruble, and Britt), 1108

Y

YOUNG, W. GLENN, JR. (*See* Bradham, Sealy, and Young), 1066
—. (*See* Zotti et al.), 28
YOUNGER, RACHEL K. (*See* Foster et al.), 240

Z

ZACHEIS, H. GALE. (*See* Milles, Koucky, and Zacheis), 434
ZIEROLD, ARTHUR A., AND MOOS, DANIEL J. A method for cholecystectomy in older patients, 511
ZIMMER, JERALD. (*See* Grasz et al.), 1232
ZOTTI, ENZO, LESAGE, ALAN M., BRADHAM, R. RANDOLPH, NIGNONE, ROBERT, SEALY, WILL C., AND YOUNG, W. GLENN, JR. Prevention and treatment of experimentally induced ascites in the dog by thoracic duct-to-vein shunt, 28

SUBJECT INDEX*

A

Abdominal aorta, surgery, chronic intestinal ischemia as complication (Rob and Snyder), 1141
traumatic aneurysm (Griffen, Belin, and Walder), 813
exploration, first step, why not routinely explore entire peritoneal cavity? (Moreno), 517
Abdominosacral approach, combined, for sacrococcygeal teratoma in newborn girl with massive intra-abdominal extension (Priebe), 1090
Ablation, microsurgical, of canine pituitary gland (Tiscornia and Dreiling), 1077
Abscesses, pancreas (Farringer, Robbins, and Pickens), 964
Absorption, small intestinal, in immediate postoperative period (Glucksman, Kalser, and Warren), 1020
Acid, gastric, secretion in dogs, effect of 2-deoxy-D-glucose and insulin (Eisenberg, Emås, and Grossman), 111
Adhesions, experimental, effect of intraperitoneal fluids on prevention (Grosz et al.), 1232
intestinal, serosal integrity and (Glucksman), 1009
peritoneal, effect of topically applied corticosteroids in prevention (Glucksman and Warren), 352
Adhesive, plastic, used in combination with microsurgical technique in reconstruction of small arteries, tissue response (Jacobson et al.), 379
Adrenal cysts in infancy (Van De Water and Fonkalsrud), 1267
and renal diseases associated with hypertension, renin content of kidney in (Kawabe and Sokabe), 986
Aganglionosis of small intestine (Walker, Kempson, and Ternberg), 449
Alcohol, possible mechanism, production of acute pancreatitis (Schapiro, Wruble, and Britt), 1108
Alkalosis, posttraumatic, incidence and pathophysiology in surgery (Lyons and Moore), 93
Allergy to suture material and postoperative wound infections, correlation between (Getzen and Jansen), 824
Allografts, renal, canine, effects of intra-arterial immunosuppressive drug therapy (Retik et al.), 1242
skin, use of frequently changed to promote healing in infected ulcer (Morris, Bondoc, and Burke), 13
Alpha- and beta-adrenergic blockade, hemodynamic effects (Arbulu and Thal), 60
β-Aminopropionitrile, effect on collagen in healing wounds (Peacock and Madden), 7
Ammonia tolerance in animals with and without portal systemic shunting, determinants (Price et al.), 701
Anal incontinence, physiological approach to problem through use of levator ani as sling (Kottmeier), 1262
Anastomosis, portacaval, retrograde venous circulation and (Petrov and Gugushvili), 373
Anastomotic leak, management of esophageal atresia following (Eraklis and Gross), 919
Anatomical approach, alternate, to caval-mesenteric shunting (Cardillo and Douglass), 317
relationships in lymph node dissection of neck (Green), 978
Anesthesia, spinal, effect on femoral vein oxygen tension (Cerilli and Engell), 668
Anesthetized dog, absence of large functional arteriovenous shunts in stomach (Shoemaker and Powers), 118
Aneurysm(s), hepatic artery, case reports (Guida and Moore), 299
magnetically controlled, intracranial, metallic thrombosis (Alksne, Fingerhut, and Rand), 212
thoracic aorta, surgical management (Mulder, Dilley, and Joseph), 142
traumatic, abdominal aorta (Griffen, Belin, and Walder), 813
Angiography, renal, effect on normal kidney (Bower, Magee, and Lester), 545
Animal research, sentimental threat to, America's Littlewood crisis (Dennis), 827
Anoxemia, effects of hyperbaric oxygen (Baffes, Parker, and Agustsson), 679
Antienzymes, local intra-arterial infusion in treatment of acute pancreatitis (Tountas et al.), 1235

*July, pp. 1-254; August, pp. 255-520; September, pp. 521-782; October, pp. 783-952; November, pp. 953-1124; December, pp. 1125-1318.

Antifibrin-fibrinogen antibody, radioiodinated, detection of venous thrombosis in human by (Reich et al.), 1211
Antigenic behavior of Walker 256 tumor in Sprague-Dawley rats (Buinauskas, Brown, and Cole), 902
Aorta, abdominal, surgery of, chronic intestinal ischemia as complication (Rob and Snyder), 1141
traumatic aneurysm (Griffen, Belin, and Walder), 813
thoracic, aneurysms, surgical management (Mulder, Dilley, and Joseph), 142
Aortic occlusion, release, prevention of hypotension following (Schneiweiss, Hadsall, and Gordon), 628
Aortofemoral arterial reconstruction, indications for: study of borderline risk patients (Wesolowski et al.), 288
Aortography, translumbar, mechanism of injury, method of protection (Cox, Wolfel, and Inglesby), 1146
Aortoiliac disease, procedure for poor risk patient with: unilateral axillary bilateral femoral bifurcation graft (Sauvage and Wood), 573
Appendicitis, acute, in childhood (Brickman and Leon), 1083
current features in treatment (Mittelpunkt and Nora), 971
Arterial emboli, multiple (Hara and Williams), 804
hemorrhage, uncontrolled, experimental (Milles, Koucky, and Zacheis), 434
patency detector, implantable (Jacobson et al.), 219
pressure and flow, intraoperative, comparison with pre- and postoperative exercise blood flow (Mannick, Jackson, and Coffman), 578
reconstruction, aortofemoral, indications for: study of borderline risk patients (Wesolowski), 288
Arteriography, renal, comparison with experimental renal phlebography (Takaro and Kivirand), 619
Arteriovenous shunts, large, functional, absence in stomach of anesthetized dog (Shoemaker and Powers), 118
systemic, and stress, cause of cardiac failure (Border, Gallo, and Schenk), 225
Artery(ies), bronchial, selective infusion with mechlorethamine in dogs (Rheinlander, Tanabe, and Paul), 1044
bypass, distal posterior tibial, with autogenous vein graft: report of three cases (Garrett and De Bakey), 283
distal, simple test for evaluating patency (Chamberlain, Gandy, and Denman), 976
Artery(ies)—Cont'd
femoral, collateral circulation in occlusions, experimental study (Waibel and Wolff), 912
hepatic, aneurysm, case reports (Guida and Moore), 299
implanted into lower extremity with plastic sponge as intermediary, vascular connections established by (Friedman, Lambert, and Frank), 386
small, tissue response to plastic adhesive used in combination with microsurgical technique in reconstruction (Jacobson et al.), 379
Ascites, chronic cirrhotic, hepatopexy for (Gage), 1129
experimentally induced, prevention and treatment in dog by thoracic duct-to-vein shunt (Zotti et al.), 28
Aspiration pneumonitis, pathophysiology (Awe, Fletcher, and Jacob), 232
Atresia, esophageal, management following anastomotic leak (Eraklis and Gross), 919

B

Bacteremia due to tracheotomy or topical lytic enzymes in burn patients (Dimick and Sullivan), 1154
Bifurcation, endarterectomy, Y-shaped venous patch graft for (Menendez), 286
graft, unilateral axillary bilateral femoral: procedure for poor risk patient with aortoiliac disease (Sauvage and Wood), 573
Bile ducts, intrahepatic (hilar), sclerosing carcinoma (Altemeier et al.), 191
Biliary system, extrahepatic, carcinoma of pancreas and (Salmon), 554
Bladder, carotid sinus, heart, gastrointestinal tract, and phrenic nerve, electronic pacemakers of: current status (Anagnostopoulos and Glenn), 480
and its motor nerves, studies in stimulation (Hald, Agrawal, and Kantrowitz), 848
Blood ammonia levels in inferior vena cava: simple test of portacaval shunt patency (Pearlman, Coomaraswamy, and Dargan), 541
flow, exercise, pre- and postoperative, comparison with intraoperative arterial pressure and flow (Mannick, Jackson, and Coffman), 578
frozen, clinical experience (Huggins), 77
histamine in dog, portal, regional contributions to (Rutherford, Mehlman, and Brickman), 159
splanchnic and nonsplanchnic, of dogs with portacaval transposition, oxygen and CO_2 content in (Herrmann et al.), 1229

Blood—Cont'd
substitution, emergency, hypotonic solution for (Coleman et al.), 392
volume determinations, central venous pressure, and effects of vasoactive drugs in hypovolemic shock (Keddie, Provan, and Austen), 427
Body temperature, influence on postoperative oxygen consumption (Roe et al.), 85
Bones, long, dog, stimulation of growth by induced electromotive force (Kuehn and Laskin), 1254
Borderline risk patients, study, indications for aortofemoral arterial reconstruction (Wesolowski), 288
Bowel, small, controlled roentgen study (Nice), 519
Brain tumors, microinfusion technique for intracarotid chemotherapy (Mealey, Goodman, and Hockey), 617
Breaking strength of experimental wounds, role of noncollagenous substances (Geever, Levenson, and Manner), 343
Breast, carcinoma, axillary lymphography (Shibata et al.), 329
Bronchial arteries, selective infusion with mechlorethamine in dogs (Rheinlander, Tanabe, and Paul), 1044
Bubble oxygenator, heat exchange within (Hymes and Berkas), 407
Burn(s), constricting, decompression in, reappraisal (Bennett), 280
patients, bacteremia due to tracheotomy and topical lytic enzymes (Dimick and Sullivan), 1154
Bypass, cardiopulmonary, biconcave Silastic rubber plug for securing atrial drainage catheters during (Sako and Rude), 802
vein, autogenous, improved technique (Royle), 795

C

Carcinoma, breast, axillary lymphography (Shibata et al.), 329
intrahepatic (hilar) bile ducts, sclerosing (Altemeier et al.), 191
liver, primary, in infancy and childhood, report of 21 cases with resection in 6 (Lin, Chen, and Liu), 1275
pancreas and extrahepatic biliary system (Salmon), 554
Cardiac failure, high output, caused by systemic arteriovenous shunts in patients under stress (Border, Gallo, and Schenk), 225
pacing by means of electrical energy derived directly from heart (Satinsky et al.), 600
transplants, intrathoracic auxiliary, studies of, parallel heart (McGough, Brewer, and Reemtsma), 153
Cardiogenic shock, standardized experimental preparation (Small), 1051
Cardiopulmonary bypass, biconcave Silastic rubber plug for securing atrial drainage catheters during (Sako and Rude), 802
Carotid sinus, heart, gastrointestinal tract, phrenic nerve, and bladder, electronic pacemakers, current status (Anagnostopoulos and Glenn), 480
Catheters, atrial drainage, securing during cardiopulmonary bypass, biconcave Silastic rubber plug for (Sako and Rude), 802
Caval-mesenteric shunting, alternate anatomical approach (Cardillo and Douglass), 317
Cell permeability change during growth (Humphrey), 411
Cellular response to endotoxin and hemorrhagic shock (Bell and Schloerb), 69
Cerebral hypothermia, profound, produced by ventricular cooling, adjunct to neurosurgical hemostasis (Hirai, Austen, and Mark), 710
Cervical esophagus, replacement, free grafting and revascularization of intestine (Green and Som), 1012
Cervicomediastinal cystic hygroma, one-stage excision in eight-week-old infant (Kirschner), 1104
Chemotherapy, brain tumors, intracarotid, microinfusion technique (Mealey, Goodman, and Hockey), 617
and host resistance to tumors (Ferguson), 725
Child, mediastinal pseudocyst of pancreas, case report (Laird and Clagett), 465
Childhood, acute appendicitis (Brickman and Leon), 1083
Cholangiography, percutaneous, and simultaneous duodenography (Raia), 1125
Cholecystectomy in older patients, method (Zierold and Moos), 511
Choledochoduodenal junction, serial sections of which reveal pancreatic sphincters of baboon (Boyden), 1187
Choledochoduodenostomy, roentgen considerations (Schein, Beneventano, and Jacobson), 958
Circulation, assisted by synchronous pulsation of extramural pressure (Giron et al.), 894
collateral, in occlusions of femoral artery, experimental study (Waibel and Wolff), 912
lymphatic, alterations during acute experimental pancreatitis (Sim, Duprez, and Anderson), 1175
venous, retrograde, and portacaval anastomosis (Petrov and Gugushvili), 373
Cirrhotic ascites, chronic, hepatopexy for (Gage), 1129

CO_2 and oxygen content in splanchnic and nonsplanchnic blood of dogs with portacaval transposition (Herrmann et al.), 1229
Colitis, ulcerative, chronic, surgical progress in management (Judd), 783
pediatric, surgical treatment (Levin, Fonkalsrud, and Barker), 201
Collagen, effect of β-aminopropionitrile, in healing wounds (Peacock and Madden), 7
Collateral circulation in occlusions of femoral artery, experimental study (Waibel and Wolff), 912
Colonic polyps at site of ureteral implantation, development (Markowitz and Koontz), 761
Colostomy perforation (Spiro and Hertz), 590
Contrast medium, oily, experiences with in hepatography for detection of small tumor masses in liver (Idezuki et al.), 566
Corticosteroids, topically applied, effect in prevention of peritoneal adhesions (Glucksman and Warren), 352
Cul-de-sac smears, follow-up study (Quan), 1170
Cystic hygroma, cervicomediastinal, one-stage excision in eight-week-old infant (Kirschner), 1104
Cysts, adrenal, in infancy (Van De Water and Fonkalsrud), 1267

D

Death, in receiving room, hemorrhage and (Perry), 778
Decompression in constricting burns, reappraisal (Bennett), 280
2-Deoxy-D-glucose, effect on gastric acid secretion in dogs, comparison with insulin (Eisenberg, Emås, and Grossman), 111
Detector, patency, implantable arterial (Jacobson et al.), 219
Devascularization, gastric, influence on ulceration of interposed loops of ileum (Herbst and Barnett), 647
Dextran, low molecular weight, hemodynamic effect in arteries with critical stenosis during acute hemorrhage (Christophersen et al.), 402
Diaphragmatic tumors, primary congenital (Juvara and Prişcu), 255
Diarrhea, infantile, intestinal gangrene with, survival following resection and ileorectostomy (Rath et al.), 1271
Disks, lumbar, herniated, foraminotomy in surgical treatment (Shenkin and Haft), 274
intervertebral, herniated, with unilateral pain and midline myelographic defects: unilateral or bilateral excision? (Haft and Shenkin), 269
Dissection, neck, radical, transverse incisions for (Tamoney), 260
Diuresis, osmolar, success and/or failure, collective review (Stremple, Ellison, and Carey), 924
Doctors, surgeon among (Robb), 948
Drainage jars, thoracotomy, use of silicone spray to disperse and prevent foaming in (Waite), 817
Drains at suture line (Goldstein et al.), 908
Drug susceptibility of pathogens of urinary system, changing patterns (Seneca and Peer), 652
therapy, immunosuppressive, intra-arterial, effects on canine renal allografts (Retik et al.), 1242
vasoactive, effects in hypovolemic shock, and central venous pressure, blood volume determinations (Keddie, Provan, and Austen), 427
Duct, bile, intrahepatic (hilar), sclerosing carcinoma (Altemeier et al.), 191
thoracic, obstruction (Larson et al.), 35
Duhamel type of staged procedure for correction of poorly functioning Swenson pull-through (Kenisberg et al.), 462
Dumping syndrome, vascular hypertonicity, mechanism for vasodilatation in (Lucas and Read), 395
Duodenography, simultaneous with percutaneous cholangiography (Raia), 1125

E

Eastman 910 monomer, method of secondary closures for infected surgical wounds with (Hennessy, Thompson, and Arnold), 744
Education, undergraduate, responsibilities of University Surgeons for (Bahnson), 1
Electrical energy derived directly from heart, cardiac pacing by (Satinsky), 600
Electrode path, myocardial, straight (Martinez, McMahon, and Wesolowski), 1282
Electromotive force, induced, stimulation of growth in dog long bones by (Kuehn and Laskin), 1254
Electron microscopic observations on local hypersensitivity of stomach (Elliott), 688
Electronic pacemakers of heart, gastrointestinal tract, phrenic nerve, bladder, and carotid sinus: current status (Anagnostopoulos and Glenn), 480
Embolectomy, is it superior to prophylaxis in surgical patients with pulmonary embolism? (Meyerowitz), 521
Emboli, arterial, multiple (Hara and Williams), 804
pulmonary, prevention of, use of surgical stenosis of inferior vena cava in (Lowicki), 633

Embolism and mitral valve (Kahn et al.), 136
pulmonary (Ochsner), 950
inferior vena cava ligation for, review of 118 cases (Mozes et al.), 790
in surgical patients: is embolectomy superior to prophylaxis? (Meyerowitz), 521
Endarterectomy of bifurcation, Y-shaped venous patch graft for (Menendez), 286
Endotoxin, cellular response to, and hemorrhagic shock (Bell and Schloerb), 69
shock, effect of enterectomy (Evans and Darin), 1026
late, multiantagonist and volume therapy for (Martin et al.), 420
role of spleen and portal hypertension in (Boruchow and Abel), 1195
Enterectomy in endotoxin shock, effect (Evans and Darin), 1026
Enzymes, lytic, topical, and tracheotomy in burn patients, bacteremia due to (Dimick and Sullivan), 1154
Epithelial proliferation, intestinal, kinetics of: effect of vagotomy (Silen, Peloso, and Jaffe), 127
Esophageal atresia, management following anastomotic leak (Eraklis and Gross), 919
hiatus hernia, use of gastropexy in management (Vollenweider), 264
Esophagus, cervical, replacement, free grafting and revascularization of intestine (Green and Som), 1012
Excision, unilateral or bilateral? for herniated lumbar intervertebral disks with unilateral pain and midline myelographic defects (Haft and Shenkin), 269
Exploration, abdominal, first step, why not routinely explore entire peritoneal cavity? (Moreno), 517
Exposition, medical, competent, need and attainment (De Bakey), 1001
Exposure, hyperbaric, chronic, hyperbaric oxygenation as method for prolonging survival during (Ackerman and Brinkley), 20
Extrahepatic biliary system, carcinoma of pancreas and (Salmon), 554

F

Fat in duodenum and upper small intestine, inhibitory effect on exogenous gastrin-stimulated gastric secretion (Bibler, Harkins, and Nyhus), 844
Femoral artery, collateral circulation in occlusions of, experimental study (Waibel and Wolff), 912
Fibrillation threshold, ventricular, effect of pH change (Turnbull and Dobell), 1040
Fibrinolysis, perfusion, quantitative determination (O'Neill et al.), 809
Fistulous fluids, capture (Sonneland), 598
Foaming in thoracotomy drainage jars, use of silicone spray to disperse and prevent (Waite), 817
Foraminotomy in surgical treatment of herniated lumbar disks (Shenkin and Haft), 274
Fredet-Ramstedt pyloroplasty to complement vagotomy (Linn et al.), 891
Frozen blood, clinical experience (Huggins), 77

G

Gallbladder, dog, dissolution of human gallstone in after various degrees of vagotomy (Barnett and Hilbun), 840
Gallstone, human, dissolution of in dog's gallbladder after various degrees of vagotomy (Barnett and Hilbun), 840
Gangrene, intestinal, with infantile diarrhea, survival following resection and ileorectostomy (Rath et al.), 1271
Gastric acid secretion in dogs, effect of 2-deoxy-D-glucose and insulin (Eisenberg, Emås, and Grossman), 111
and parietal cell mass in Zollinger-Ellison syndrome (Polacek and Ellison), 606
devascularization, influence on ulceration of interposed loops of ileum (Herbst and Barnett), 647
pouch which can be explanted, vagally innervated, technique for making in dog (Coder, McIlrath, and Hallenbeck), 715
secretion, gastrin-stimulated, exogenous, inhibitory effect of fat in duodenum and upper small intestine (Bibler, Haskins, and Nyhus), 844
Gastrin release by unstimulated, isolated antral pouch, evidence for (Landor), 641
Gastrin-stimulated gastric secretion, exogenous, inhibitory effect of fat in duodenum and upper small intestine (Bibler, Harkins, and Nyhus), 844
Gastrointestinal tract, phrenic nerve, bladder, carotid sinus, and heart, electronic pacemakers of: current status (Anagnostopoulos and Glenn), 480
Gastropexy, use in management of esophageal hiatus hernia (Vollenweider), 264
Gelatin, crosslinked, use as tissue adhesive to control hemorrhage from liver and kidney (Tatooles and Braunwald), 857
Glucose solution, hypertonic, intrajejunal, effect of methyl dopa on pancreatic secretory response (Hudock, Vanamee, and Lawrence), 443

Graft(s), bifurcation, unilateral axillary bilateral femoral: procedure for poor risk patient with aortoiliac disease (Sauvage and Wood), 573
skin, immobilization with perforated plastic sheeting (Edmondson), 1167
synthetic, transplanted, experimental venous replacement by (Inokuchi and Ono), 862
vein, autogenous with distal posterior tibial artery bypass, report of three cases (Garrett and De Bakey), 283
venous patch, Y-shaped, for endarterectomy of bifurcation (Menendez), 286
Graphite-coated prostheses, thrombosis on (Wright and Johnston), 1036
Growth, cell permeability change during (Humphrey), 411
in dog long bones, stimulation by induced electromotive force (Kuehn and Laskin), 1254

H

Heart, gastrointestinal tract, phrenic nerve, bladder, and carotid sinus, electronic pacemakers of: current status (Anagnostopoulos and Glenn), 480
parallel, studies of intrathoracic auxiliary cardiac transplants (McGough, Brewer, and Reemtsma), 153
transplantation in dogs, results in 142 experiments (Hardy et al.), 361
Heat exchange within bubble oxygenator (Hymes and Berkas), 407
Heidenhain pouch hypersecretion after intraduodenal injection of pancreatic juice (White, Stacher, and Tea), 107
pouches and their parent stomachs, histological differences between (Ritchie et al.), 1224
Hemobilia, traumatic (MacVaugh et al.), 547
Hemodynamic effects of alpha- and beta-adrenergic blockade (Arbulu and Thal), 60
of low molecular weight dextran in arteries with critical stenosis during acute hemorrhage (Christophersen et al.), 402
Hemodynamics of arterial surgery in atherosclerotic limbs, comparison of intraoperative arterial pressure and flow with pre- and postoperative exercise blood flow (Mannick, Jackson, and Coffman) 578
Hemorrhage, acute, hemodynamic effect of low molecular weight dextran in arteries with critical stenosis during (Christophersen et al.), 402
Hemorrhage—Cont'd
arterial, uncontrolled, experimental (Milles, Koucky, and Zacheis), 434
and death in receiving room (Perry), 778
factors influencing homeostatic responses to (Lister, Maung, and Altman), 43
from liver and kidney, control, use of cross-linked gelatin as tissue adhesive (Tatooles and Braunwald), 857
Hemorrhagic shock, cellular response to endotoxin and (Bell and Schloerb), 69
Hemostasis, neurosurgical, profound cerebral hypothermia produced by ventricular cooling as adjunct to (Hirai, Austen, and Mark), 710
Hepatic artery, aneurysm, case reports (Guida and Moore), 299
Hepatography for detection of small tumor masses in liver: experiences with oily contrast medium (Idezuki et al.), 566
Hepatopexy for chronic cirrhotic ascites (Gage), 1129
Hernia, esophageal hiatus, use of gastropexy in management (Vollenweider), 264
Hiatus hernia, esophageal, use of gastropexy in management (Vollenweider), 264
Hirschsprung's disease and Mongolism (Graivier and Sieber), 458
Histamine, portal blood, in dog, regional contributions to (Rutherford, Mehlman, and Brickman), 159
Homeostatic responses to hemorrhage, factors influencing (Lister, Maung, and Altman), 43
Homografts of intestine, survival with and without immunosuppression (Preston et al.), 1203
Hygroma, cervicomediastinal cystic, one-stage excision in eight-week-old infant (Kirschner), 1104
Hyperbaric exposure, chronic, hyperbaric oxygenation as method for prolonging survival during (Ackerman and Brinkley), 20
oxygen, administration in individual high pressure chamber (Baffes et al.), 319
effects on anoxemia (Baffes, Parker, and Agustsson), 679
oxygenation, cyclic, intermittent, method for prolonging survival during chronic hyperbaric exposure (Ackerman and Brinkley), 20
Hypersecretion of Heidenhain pouch after intraduodenal injection of pancreatic juice (White, Stacher, and Tea), 107
Hypertension, portal, and spleen, role in canine endotoxin shock (Boruchow and Abel), 1195

Hypertension, portal—Cont'd
splenectomy and side-to-side splenorenal shunt for portal hypertension (Mason), 536
renin content of kidney in renal and adrenal diseases associated with (Kawabe and Sokabe), 986
renovascular, detection and treatment of patients with (Foster et al.), 240

Hypertonic glucose solution, intrajejunal, effect of methyl dopa on pancreatic secretory response (Hudock, Vanamee, and Lawrence), 443

Hypertonicity, vascular, mechanism for vasodilatation in dumping syndrome (Lucas and Read), 395

Hypertrophic osteoarthropathy, experimental (Gerbode, Birnstingl, and Braimbridge), 1030

Hypophysectomy, effect on canine pancreatic function (Tiscornia and Dreiling), 883

Hypotension following release of aortic occlusion, prevention (Schneiweiss, Hadsall, and Gordon), 628

Hypothermia, general, effect of therapeutic agents on microcirculation during (Suzuki and Penn), 867
profound cerebral, produced by ventricular cooling, adjunct to neurosurgical hemostasis (Hirai, Austen, and Mark), 710

Hypotonic solution for emergency blood substitution (Coleman et al.), 392

Hypovolemic shock, central venous pressure, blood volume determinations, and effects of vasoactive drugs in (Keddie, Provan, and Austen), 427

I

Ileorectostomy and resection for intestinal gangrene with infantile diarrhea, survival following (Rath et al.), 1271

Ileum, ulceration of interposed loops of, influence of gastric devascularization on (Herbst and Barnett), 647

Immunochemical observations in clinical heterologous (xenogeneic) liver perfusions (Norman et al.), 179

Immunosuppression, survival of homografts of intestine with and without (Preston et al.), 1203

Immunosuppressive drug therapy, intra-arterial, effects on canine renal allografts (Retik et al.), 1242

Incisions, transverse, for radical neck dissection (Tamoney), 260

Incontinence, anal, physiological approach to problem through use of levator ani as sling (Kottmeier), 1262

Infection, wound, experimental studies on determinants (Howe), 1072
is there "irreducible minimum" rate? (Heusinkveld), 821
postoperative, correlation with allergy to suture material (Getzen and Jansen), 824

Infusion, selective, of bronchial arteries with mechlorethamine in dogs (Rheinlander, Tanabe, and Paul), 1044

Injector, pressure, inexpensive (Rosen and Gold), 340

Insulin, effect on gastric acid in dogs, comparison with 2-deoxy-D-glucose (Eisenberg, Emås, and Grossman), 111

Intervertebral disks, lumbar, herniated, with unilateral pain and midline myelographic defects: unilateral or bilateral excision? (Haft and Shenkin), 269

Intestinal absorption in immediate postoperative period, small (Glucksman, Kalser, and Warren), 1020
adhesions, serosal integrity and (Glucksman), 1009
epithelial proliferation, kinetics of: effect of vagotomy (Silen, Peloso, and Jaffe), 127
gangrene with infantile diarrhea, survival following resection and ileorectostomy (Rath et al.), 1271
ischemia, chronic, complication of surgery of abdominal aorta (Rob and Snyder), 1141

Intestine, free grafting and revascularization, partial replacement of oropharynx (Green and Som), 1017
replacement of cervical esophagus (Green and Som), 1012
homografts of, survival with and without immunosuppression (Preston et al.), 1203
small, aganglionosis (Walker, Kempson, and Ternberg), 449

Intracarotid chemotherapy of brain tumors, microinfusion technique (Mealey, Goodman, and Hockey), 617

Intracranial aneurysms, metallic thrombosis of magnetically controlled (Alksne, Fingerhut, and Rand), 212

Intrahepatic (hilar) bile ducts, sclerosing carcinoma (Altemeier et al.), 191
and transparietal intrasplenic manometries, and laparotomy, measurement of portal pressure by, appraisal and comparative study (De Castro Silva, Goffi, and Da Silva Bastos), 1137

Intraperitoneal fluids, effect on prevention of experimental adhesions (Grosz et al.), 1232

Intrasplenic, transparietal, and intrahepatic manometries, and laparotomy, measurement of portal pressures by, appraisal and comparative study (De Castro Silva, Goffi, and Da Silva Bastos), 1137

Ischemia, function of canine renal autotransplants after variable periods of, critical interval in cadaver kidney transplantation (Cohn and Moses), 750
  intestinal, chronic, complication of surgery of abdominal aorta (Rob and Snyder), 1141

K

Kidney(s), individual canine, technique for separate collection of urine from (Veith, Nehlsen, and Karl), 699
  live storage, preliminary communication (Ackermann, Fisher, and Barnard), 720
  normal, effect of renal angiography (Bower, Magee, and Lester), 545
  renin content in renal and adrenal diseases associated with hypertension (Kawabe and Sokabe), 986
  transplantation, cadaver, critical interval in, function of canine renal autotransplants after variable periods of ischemia (Cohn and Moses), 750

L

Laparotomy and transparietal intrasplenic and intrahepatic manometries, measurement of portal pressure by, appraisal and comparative study (De Castro Silva, Goffi, and Da Silva Bastos), 1137

Levator ani as sling, physiological approach to problem of anal incontinence through use (Kottmeier), 1262

Littlewood crisis, America's, sentimental threat to animal research (Dennis), 827

Live storage of kidneys, preliminary communication (Ackermann, Fisher, and Barnard), 720

Liver perfusion chamber, disposable (Eiseman et al.), 1183
  clinical heterologous (xenogeneic), immunochemical observations (Norman et al.), 179
  primary carcinoma in infancy, report of 21 cases, with resection in 6 (Lin, Chen, and Liu), 1275

Lumbar disks, foraminotomy in surgical treatment (Shenkin and Haft), 274

Lumbar disks—Cont'd
  intervertebral, herniated, with unilateral pain and midline myelographic defects: unilateral or bilateral excision? (Haft and Shenkin), 269

Lymph node dissection of neck, anatomical relationships (Green), 978
  thoracic duct, technique for intermittent collection (Ellis), 1251

Lymphadenectomy, pulmonary hilar, following contralateral pneumonectomy (Bradham, Sealy, and Young), 1066

Lymphatic circulation, alterations during acute experimental pancreatitis (Sim, Duprez, and Anderson), 1175
  system, diffusion of nitrogen mustard into during isolated perfusion (Janczakowski and Gonzalez), 879

Lymphedema, hereditary congenital, Milroy's disease (Ersek, Danese, and Howard), 1098

Lymphography, axillary, in carcinoma of breast (Shibata), 329

Lymphomas of head and neck, surgery (Catlin), 1160

Lytic enzymes, topical, or tracheotomy in burn patients, bacteremia due to (Dimick and Sullivan), 1154

M

Manometries, transparietal intrasplenic and intrahepatic, and laparotomy, measurement of portal pressures by, appraisal and comparative study (De Castro Silva, Goffi, and Da Silva Bastos), 1137

Measurement(s) over animal and human tumors, thermal, experimental studies (Tabern, Kearney, and Dolbow), 1058
  of central venous pressure, method (Margolese), 1285
  of portal pressure by transparietal intrasplenic and intrahepatic manometries, and laparotomy, appraisal and comparative study (De Castro Silva, Goffi, and Da Silva Bastos), 1137

Mechlorethamine, selective infusion of bronchial arteries with, in dogs (Rheinlander, Tanabe, and Paul), 1044

Meconium peritonitis (Lorimer and Ellis), 470

Mediastinal pseudocyst of pancreas in child, case report (Laird and Clagett), 465

Medical exposition, competent, need and attainment (De Bakey), 1001

Metallic thrombosis of intracranial aneurysms, magnetically controlled (Alksne, Fingerhut, and Rand), 212

Methyl dopa, effect on pancreatic secretory response to intrajejunal hypertonic glucose solution (Hudock, Vanamee, and Lawrence), 443

Microcirculation during general hypothermia, effect of therapeutic agents upon (Suzuki and Penn), 867

Microinfusion technique for intracarotid chemotherapy of brain tumors (Mealey, Goodman, and Hockey), 617

Microsurgical ablation of canine pituitary gland (Tiscornia and Dreiling), 1077

Milroy's disease, hereditary congenital lymphedema (Ersek, Danese, and Howard), 1098

Mitral valve, embolism and (Kahn et al.), 136

Mongolism, Hirschsprung's disease and (Graivier and Sieber), 458

Multiantagonist and volume therapy for late endotoxin shock (Martin et al.), 420

Myelofibrosis, subtotal splenectomy in (Morgenstern, Kahn, and Weinstein), 336

Myelographic defects, midline, and unilateral pain with, herniated lumbar intervertebral disks; unilateral or bilateral excision? (Haft and Shenkin), 269

Myocardial electrode path, straight (Martinez, McMahon, and Wesolowski), 1282

N

Neck dissection, radical, transverse incisions for (Tamoney), 260
  lymph node dissection, anatomical relationships (Green), 978

Nitrogen mustard, diffusion into lymphatic system during isolated perfusion (Janczakowski and Gonzalez), 879

Noncollagenous substances, role in breaking strength of experimental wounds (Geever, Levenson, and Manner), 343

O

Occlusion, aortic, release of, prevention of hypotension following (Schneiweiss, Hadsall, and Gordon), 628
  femoral artery, collateral circulation in, experimental study (Waibel and Wolff), 912

Organ preservation, whole, organ perfusion studies (Halasz, Seifert, and Orloff), 368

Oropharynx, partial replacement, free grafting and revascularization of intestine (Green and Som), 1017

Osmolar diuresis, success and/or failure, collective review (Stremple, Ellison, and Carey), 924

Osteoarthropathy, hypertrophic, experimental (Gerbode, Birnstingl, and Braimbridge), 1030

Oxygen and CO_2 content in splanchnic and nonsplanchnic blood of dogs with portacaval transposition (Herrmann et al.), 1229
  consumption, postoperative, influence of body temperature (Roe et al.), 85
  hyperbaric, administration in individual high pressure chamber (Baffes et al.), 319
    effects on anoxemia (Baffes, Parker, and Agustsson), 679
  tension of femoral vein, effect of spinal anesthesia (Cerilli and Engell), 668

Oxygenation, hyperbaric, cyclic, intermittent, method for prolonging survival during chronic hyperbaric exposure (Ackerman and Brinkley), 20

Oxygenator, bubble, heat exchange within (Hymes and Berkas), 407
  membrane, and venovenous perfusion, further development of artificial placenta with (Sarin et al.), 754

P

Pacemakers, electronic, of heart, gastrointestinal tract, phrenic nerve, bladder, and carotid sinus; current status (Anagnostopoulos and Glenn), 480

Pacing, cardiac, by means of electrical energy derived directly from heart (Satinsky et al.), 600

Paduan predecessors (Robb), 1287

Pain, unilateral, with herniated lumbar intervertebral disks and midline myelographic defects; unilateral or bilateral excision? (Haft and Shenkin), 269

Pancreas, abscesses (Farringer, Robbins, and Pickens), 964
  carcinoma and extrahepatic biliary system (Salman), 554
  mediastinal pseudocyst of, in child, case report (Laird and Clagett), 465

Pancreatic function, canine, effect of hypophysectomy (Tiscornia and Dreiling), 883
  juice, Heidenhain pouch hypersecretion after intraduodenal injection (White, Stacher, and Tea), 107
  sphincters of baboon as revealed by serial sections of choledochoduodenal junction (Boyden), 1187

Pancreatitis, acute, local intra-arterial infusion of antienzymes in treatment (Tountas et al.), 1235
    possible mechanism of alcohol in production (Schapiro, Wruble, and Britt), 1108

Pancreatitis—Cont'd
experimental, acute, alterations of lymphatic circulation during (Sim, Duprez, and Anderson), 1175
pathophysiologic alterations (Carey and Rodgers), 171
Pancreatography, transduodenal, improved technique (Trapnell and Howard), 1112
Parallel heart, studies of intrathoracic auxiliary cardiac transplants (McGough, Brewer, and Reemtsma), 153
Parietal cell mass and gastric acid secretion in Zollinger-Ellison syndrome (Polacek and Ellison), 606
Patch graft, venous, Y-shaped, for endarterectomy of bifurcation (Menendez), 286
Patency detector, arterial, implantable (Jacobson et al.), 219
of distal arteries, simple test for evaluating (Chamberlain, Gandy, and Dennan), 976
vascular, preservation as function of reticuloendothelial clearance (Gans), 1216
Pathogens of urinary system, drug susceptibility of, changing patterns (Seneca and Peer), 652
Patients, older, method for cholecystectomy (Zierold and Moos), 511
Pelvis tumors, symphysiotomy for exposure in resection (Holder and Peltier), 819
Perfusion chamber, liver, disposable (Eiseman et al.), 1183
fibrinolysis, quantitative determination (O'Neill et al.), 809
isolated, diffusion of nitrogen mustard into lymphatic system during (Janczakowski and Gonzalez), 879
liver, clinical heterologous (xenogeneic), immunochemical observations (Norman et al.), 179
organ, studies, whole organ preservation (Halasz, Siefert, and Orloff), 368
regional, techniques (Creech and Krementz), 938
venovenous, and membrane oxygenator, further development of artificial placenta with (Sarin et al.), 754
Peritoneal cavity, entire, why not routinely explore as first step in any abdominal exploration? (Moreno), 517
Peritonitis, experimental, lethal factors (Filler et al.), 671
meconium (Lorimer and Ellis), 470
Permeability, cell, change during growth (Humphrey), 411
pH change, effect on ventricular fibrillation threshold (Turnbull and Dobell), 1040
Phlebography, renal, experimental, comparison with renal arteriography (Takaro and Kivirand), 619
Phrenic nerve, bladder, carotid sinus, heart, and gastrointestinal tract, electronic pacemakers of: current status (Anagnostopoulos and Glenn), 480
Pin fixation technique in tendon repair (Bluestone), 506
Pituitary gland canine, microsurgical ablation (Tiscornia and Dreiling), 1077
Placenta, artificial, further development of with membrane oxygenator and venovenous perfusion (Sarin et al.), 754
Plastic adhesive used in combination with microsurgical technique in reconstruction of small arteries, tissue response (Jacobson et al.), 379
sheeting, perforated, immobilization of skin grafts with (Edmondson), 1167
sponge as intermediary, vascular connections established by arteries implanted into lower extremity with (Friedman, Lambert, and Frank), 386
Plug, biconcave Silastic rubber, for securing atrial drainage catheters during cardiopulmonary bypass (Sako and Rude), 802
Pneumonectomy, contralateral, followed by pulmonary hilar lymphadenectomy (Bradham, Sealy, and Young), 1066
Pneumonitis, aspiration, pathophysiology (Awe, Fletcher, and Jacob), 232
Polyps, colonic, development at site of ureteral implantation (Markowitz and Koontz), 761
Poor risk patient with aortoiliac disease, procedure for: unilateral axillary bilateral femoral bifurcation graft (Sauvage and Wood), 573
Popliteal pulse, palpation (Ger), 615
Portacaval anastomosis, retrograde venous circulation and (Petrov and Gugushvili, 373
shunt patency, simple test of: blood ammonia levels in inferior vena cava (Pearlman, Coomaraswamy, and Dargan), 541
transposition, oxygen and CO_2 content in splanchnic and nonsplanchnic blood of dogs with (Herrmann et al.), 1229
Portal blood histamine in dog, regional contributions to (Rutherford, Mehlman, and Brickman), 159
hypertension and spleen, role in canine endotoxin shock (Boruchow and Abel), 1195
splenectomy and side-to-side splenorenal shunt for (Mason), 536

Portal—Cont'd
pressure, measurement of by transparietal intrasplenic and intrahepatic manometries, and laparotomy, appraisal and comparative study (De Castro Silva, Goffi, and Da Silva Bastos), 1137
shunting, systemic, determinants of ammonia tolerance in animals with and without (Price et al.), 701

Postbiliary surgery syndrome (Santos et al.), 953

Postoperative period, immediate, small intestinal absorption in(Glucksman, Kalser, and Warren), 1020

Pouch(es), gastric, vagally innervated, which can be explanted, technique for making in dog (Coder, McIlrath, and Hallenbeck), 715
Heidenhain, and their parent stomachs, histological differences between (Ritchie et al.), 1224
unstimulated isolated antral, evidence for gastrin release by (Landor), 641

Preservation, whole organ, organ perfusion studies (Halasz, Seifert, and Orloff), 368

Pressure chamber, high, individual, administration of hyperbaric oxygen in (Baffes et al.), 319
extramural, assisted circulation by synchronous pulsation (Giron et al.), 894
injector, inexpensive (Rosen and Gold), 340
measurement, venous, central, method (Margolese), 1285
portal, measurement by transparietal intrasplenic and intrahepatic manometries and laparotomy, appraisal and comparative study (De Castro Silva, Goffi, and Da Silva Bastos), 1137
venous, central, blood volume determinations and effects of vasoactive drugs in hypovolemic shock (Kiddie, Provan, and Austen), 427

Prostheses, graphite-coated, thrombosis on (Wright and Johnston), 1036

Pseudocyst, mediastinal, of pancreas in child: case report (Laird and Clagett), 465

Psychiatric consultation on surgical service, indications (Baudry, Weiner, and Hurwitt), 993

Pull-through, Swenson, poorly functioning, staged procedure of Duhamel type for correction (Kenigsberg et al.), 462

Pulmonary emboli, prevention, use of surgical stenosis of inferior vena cava (Lowicki), 633
embolism (Ochsner), 950
inferior vena cava ligation for, review of 118 cases (Mozes et al.), 790

Pulmonary embolism—Cont'd
in surgical patients: is embolectomy superior to prophylaxis? (Meyerowitz), 521
hilar lymphadenectomy following contralateral pneumonectomy (Bradham, Sealy, and Young), 1066

Pulmonic stenosis, isolated, surgical results in 26 cases (Hardy et al.), 980

Pulsation of extramural pressure, synchronous, assisted circulation by (Giron et al.), 894

Pulse, popliteal, palpation (Ger), 615

Pyloric stenosis, infantile hypertrophic, limitations of roentgenographic examination in diagnosis (Larsen), 768

Pyloroplasty, Fredet-Ramstedt, to complement vagotomy (Linn et al.), 891

R

Radioiodinated antifibrin-fibrinogen antibody, detection of venous thrombosis in human by (Reich et al.), 1211

Receiving room, hemorrhage and death in (Perry), 778

Reconstruction of small arteries, tissue response to plastic adhesive, used in combination with microsurgical technique (Jacobson et al.), 379

Regeneration of serous membrane, use of intrapleural liquid silicone (Furman and Denize), 733

Regional perfusion, techniques (Creech and Krementz), 938

Renal and adrenal diseases associated with hypertension, renin content of kidney in (Kawabe and Sokabe), 986
allografts, canine, effects of intra-arterial imunosuppressive drug therapy (Retik et al.), 1242
angiography, effect on normal kidney (Bower, Magee, and Lester), 545
arteriography, comparison with experimental renal phlebography (Takaro and Kivirand), 619
autotransplants, canine, function after variable periods of ischemia, critical interval in cadaver kidney transplantation (Cohn and Moses), 750
phlebography, experimental, comparison with renal arteriography (Takaro and Kivirand), 619

Renin content of kidney in renal and adrenal diseases associated with hypertension (Kawabe and Sokabe), 986

Renovascular hypertension, detection and treatment of patients (Foster et al.), 240

Research, animal, sentimental threat to, America's Littlewood crisis (Dennis), 827
Resection of pelvic tumors, symphysiotomy for exposure in (Holder and Peltier), 819
Resistance to tumors, host, chemotherapy and (Ferguson), 725
Responsibility in training of modern surgeon, surgical teacher's (Hardy), 1289
Reticuloendothelial clearance, preservation of vascular patency as function (Gans), 1216
Roentgen considerations, choledochoduodenostomy (Schein, Beneventano, and Jacobson), 958
study, controlled, small bowel (Nice), 519
Roentgenographic examination, limitations in diagnosis of infantile hypertrophic pyloric stenosis (Larsen), 768

S

Sacrococcygeal teratoma in newborn girl with massive intra-abdominal extension, combined abdominosacral approach (Priebe), 1090
Sclerosing carcinoma of intrahepatic (hilar) bile ducts (Altemeier et al.), 181
Secondary closures for infected surgical wounds with Eastman 910 manomer, method (Hennessy, Thompson, and Arnold), 744
Secretory response, pancreatic, to intrajejunal hypertonic glucose solution, effect of methyl dopa (Hudock, Vanamee, and Lawrence), 443
Serosal integrity and intestinal adhesions (Glucksman), 1009
Serous membrane regeneration, use of intrapleural liquid silicone (Furman and Denize), 733
Shock, cardiogenic, standardized experimental preparation (Small), 1051
endotoxin, effect of enterectomy (Evans and Darin), 1026
late, multiantagonist and volume therapy (Martin et al.), 420
role of spleen and portal hypertension (Boruchow and Abel), 1195
hemorrhagic cellular response to endotoxin and (Bell and Schloerb), 69
hypovolemic, central venous pressure, blood volume determinations, and effects of vasoactive drugs (Keddie, Provan, and Austen), 427
Shunt(s), arteriovenous, large, functional, absence in stomach of anesthetized dog (Shoemaker and Powers), 118
Shunt(s), arteriovenous—Cont'd
systemic and stress, cause of cardiac failure (Border, Gallo, and Schenk), 225
patency, portacaval, simple test of: blood ammonia levels in inferior vena cava (Pearlman, Coomaraswamy, and Dargan), 541
splenorenal, side-to-side, splenectomy and, for portal hypertension (Mason), 536
thoracic duct-to-vein, experimentally induced ascites in dog by (Zotti et al.), 28
Shunting, caval-mesenteric, alternate anatomical approach (Cardillo and Douglass), 317
portal systemic, determinants of ammonia tolerance in animals with and without (Price et al.), 701
Silastic rubber plug, biconcave, for securing atrial drainage catheters during cardiopulmonary bypass (Sako and Rude), 802
Silicone, liquid, intrapleural, use in serous membrane regeneration (Furman and Denize), 733
spray, use to disperse and prevent foaming in thoracotomy drainage jars (Waite), 817
Skin allografts, use of frequently changed to promote healing in infected ulcer (Morris, Bondoc, and Burke), 13
grafts, immobilization with perforated plastic sheeting (Edmondson), 1167
Small bowel segment, inverted, used for replacement of major veins, fate (Matsumoto et al.), 739
Smears, cul-de-sac, follow-up study (Quan), 1170
Sphincters, baboon, pancreatic, as revealed by serial sections of choledochoduodenal junction (Boyden), 1187
Spinal anesthesia, effect on femoral vein oxygen tension (Cerilli and Engell), 668
Splanchnic and nonsplanchnic blood of dogs with portacaval transposition, oxygen and CO_2 content in (Herrmann et al.), 1229
Spleen and portal hypertension, role in canine endotoxin shock (Boruchow and Abel), 1195
Splenectomy and side-to-side splenorenal shunt for portal hypertension (Mason), 536
subtotal, in myelofibrosis (Morgenstern, Kahn, and Weinstein), 336
Splenorenal shunt, side-to-side, splenectomy and, for portal hypertension (Mason), 536
Sponge, plastic, as intermediary, vascular connections established by arteries implanted into lower extremity with (Freidman, Lambert, and Frank), 386

Sprague-Dawley rats, antigenic behavior of Walker 256 tumor in (Buinauskas, Brown, and Cole), 902

Stenosis, critical, during acute hemorrhage, hemodynamic effect of low molecular weight dextran in arteries with (Christophersen et al.), 402

pulmonic, isolated, surgical results in 26 cases (Hardy et al.), 980

pyloric, infantile hypertrophic, limitations of roentgenographic examination in diagnosis (Larsen), 768

surgical, of inferior vena cava in prevention of pulmonary emboli (Lowicki), 633

Stimulation of bladder and its motor nerves, studies (Hald, Agrawal, and Kantrowitz), 848

Stomach, local hypersensitivity, electron microscopic observations (Elliott), 688

Stress, severe, systemic arteriovenous, cause of cardiac failure (Border, Gallo, and Schenk), 225

Superspecialization, is it harmful? (Bowers), 1120

Surgeon among doctors (Robb), 948

modern, surgical teacher's responsibility in training (Hardy), 1289

Surgeons, relations between, is present state satisfactory, and what can be done to improve? (Toole), 780

"Surgery," what is it? (Dennis), 1123

Surgical teacher's responsibility in training of modern surgeon (Hardy), 1289

Survival, hyperbaric oxygenation as method for prolonging, during chronic hyperbaric exposure (Ackerman and Brinkley), 20

Suture line, drains at (Goldstein et al.), 908

material, correlation between allergy to and postoperative wound infections (Getzen and Jansen), 824

Swenson pull-through, poorly functioning, staged procedure of Duhamel type for correction (Kenigsberg et al.), 462

Symphysiotomy for exposure in resection for pelvic tumors (Holder and Peltier), 819

Syndrome, dumping, vascular hypertonicity, mechanism for vasodilatation in (Lucas and Read), 395

postbiliary surgery (Santos et al.), 953

Zollinger-Ellison, parietal cell mass and gastric acid secretion in (Polacek and Ellison), 606

T

Temperature, body, influence on postoperative oxygen consumption (Roe et al.), 85

Tendon repair, pain fixation technique (Bluestone), 506

Teratoma, sacrococcygeal, in newborn girl with massive intra-abdominal extension: combined abdominosacral approach (Priebe), 1090

Tetanus, treatment (Altemeier and Hummel), 495

Thermal measurements over animal and human tumors, experimental studies (Tabern, Kearney, and Dolbow), 1058

Thoracic aorta, surgical management of aneurysms (Mulder, Dilley, and Joseph), 142

duct lymph, technique for intermittent collection (Ellis), 1251

obstruction (Larson et al.), 35

Thoracotomy drainage jars, use of silicone spray to disperse and prevent foaming in (Waite), 817

Thrombectomy for massive venous thrombosis, technique (Mahorner), 773

Thrombointimectomy for recurrent venous thrombosis (Jackson, Graves, and Bryan), 797

Thrombosis on graphite-coated prostheses (Wright and Johnston), 1036

massive venous, technique of thrombectomy for (Mahorner), 773

metallic, of intracranial aneurysms (Alksne, Fingerhut, and Rand), 212

venous, detection in human by radioiodinated antifibrin-fibrinogen antibody (Reich et al.), 1211

recurrent, thrombointimectomy for (Jackson, Graves, and Bryan), 797

Tissue adhesive, use of gelatin as, to control hemorrhage from liver and kidney (Tatooles and Braunwald), 857

response to plastic adhesive used in combination with microsurgical technique in reconstruction of small arteries (Jacobson et al.), 379

Tracheotomy or topical lytic enzymes in burn patients, bacteremia due to (Dimick and Sullivan), 1154

Training of modern surgeon, surgical teacher's responsibility (Hardy), 1289

Transduodenal pancreatography, improved technique (Trapnell and Howard), 1112

Translumbar aortography, mechanism of injury, method of protection (Cox, Wolfel, and Inglesby), 1146

Transplantation of cadaver kidney, critical interval in, function of canine renal autotransplants after variable periods of ischemia (Cohn and Moses), 750

Transplantation—Cont'd
heart, in dogs, results in 142 experiments (Hardy et al.), 361
Transplants, intrathoracic auxiliary cardiac, studies of; parallel heart (McGough, Brewer and Reemtsma), 153
Transposition, portacaval, oxygen and CO_2 content in splanchnic and nonsplanchnic blood of dogs with (Herrmann et al.), 1229
Transverse incisions for radical neck dissection (Tamoney), 260
Traumatic hemobilia (MacVaugh et al.), 547
Tumor(s) animal and human, experimental studies on thermal measurements over (Tabern, Kearney, and Dolbow), 1058
brain, microinfusion technique for intracarotid chemotherapy (Mealey, Goodman, and Hockey), 617
chemotherapy and host resistance (Ferguson), 725
diaphragmatic, primary congenital (Juvara and Prişcu), 255
masses in liver, small, hepatography for detection: experiences with oily contrast medium (Idezuki et al.), 566
pelvic, symphysiotomy for exposure in resection (Holder and Peltier), 819
treatment, 3000 B.C. (Butterfield), 476
Walker 256, antigenic behavior in Sprague-Dawley rats (Buinauskas, Brown, and Cole), 902

U

Ulcer, nonhealing, infected, use of skin allografts for (Morris, Bondoc, and Burke), 13
Ulcerative colitis, pediatric, surgical treatment (Levin, Fonkalsrud, and Barker), 201
University Surgeons, responsibilities for undergraduate education (Bahnson), 1
Society, meeting (Menguy), 253
Ureteral implantation, development of colonic polyps at site (Markowitz and Koontz), 761
Ureteroileostomy, community hospital experience (Lippitt, Su, and Prince), 585
Urinary system, drug susceptibility of pathogens of, changing patterns (Seneca and Peer), 652
Urine, technique for separate collection from individual canine kidneys (Veith, Nehlsen, and Karl), 699

V

Vagotomy, effect of: kinetics of intestinal epithelial proliferation (Silen, Peloso, and Jaffe), 127
Vagotomy—Cont'd
Fredet-Ramstedt pyloroplasty to complement (Linn et al.), 891
various degrees, dissolution of human gallstone in dog's gallbladder after (Barnett and Hilbun), 840
Valve, mitral, embolism and (Kahn et al.), 136
Vascular connections established by arteries implanted into lower extremity with plastic sponge as intermediary (Friedman, Lambert, and Frank), 386
hypertonicity, mechanism for vasodilatation in dumping syndrome (Lucas and Read), 395
patency, preservation as function of reticuloendothelial clearance (Gans), 1216
Vasoactive drugs in hypovolemic shock, effects of, and central venous pressure, blood volume determinations (Keddie, Provan, and Austen), 427
Vasodilatation in dumping syndrome, vascular hypertonicity as mechanism for (Lucas and Read), 395
Vein bypass, autogenous, improved technique (Royle), 795
graft, autogenous, with distal posterior tibial artery bypass, report of three cases (Garrett and De Bakey), 283
major, replacement, fate of inverted small bowel segment used for (Matsumoto et al.), 739
Vena cava, inferior, ligation for pulmonary embolism, review of 118 cases (Mozes et al.), 790
surgical stenosis of in prevention of pulmonary emboli (Lowicki), 633
penetrating wounds of, recommendations for treatment (Wood), 311
Venous circulation, retrograde, and portacaval anastomosis (Petrov and Gugushvili), 373
patch graft, Y-shaped, for endarterectomy of bifurcation (Menendez), 286
pressure, central, blood volume determinations and effects of vasoactive drugs in hypovolemic shock (Keddie, Provan, and Austen), 427
measurement, central, method (Margolese), 1285
replacement by transplanted synthetic grafts, experimental (Inokuchi and Ono), 862
thrombosis in human, detection by means of radioiodinated antifibrin-fibrinogen antibody (Reich et al.), 1211
recurrent, thrombointimectomy for (Jackson, Graves, and Bryan), 797

Ventricular cooling, profound cerebral hypothermia produced by, adjunct to neurosurgical hemostasis (Hirai, Austen, and Mark), 710
fibrillation threshold, effect of pH change (Turnbull and Dobell), 1040
Volume therapy for late endotoxin shock, multiantagonist and (Martin et al.), 420

W

Walker 256 tumor, antigenic behavior in Sprague-Dawley rats (Buinauskas, Brown, and Cole), 902
Wound(s), effect of β-aminopropionitrile on collagen in healing (Peacock and Madden), 7
experimental, role of noncollagenous substances in breaking strength (Geever, Levenson, and Manner), 343
Wound(s)—Cont'd
infection, experimental studies on determinants (Howe), 1072
is there "irreducible minimum" rate? (Heusinkveld), 821
postoperative, correlation with allergy to suture material (Getzen and Jansen), 824
penetrating, of vena cava, recommendations for treatment (Wood), 311
surgical, infected, method of secondary closures with Eastman 910 monomer (Hennessy, Thompson, and Arnold), 744

Z

Zollinger-Ellison syndrome, parietal cell mass and gastric acid secretion in (Polacek and Ellison), 606